<400> 8363

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gccagccatg tcggaggaga agcaccacca cctgttccac cacatggagg gcgaggactt 120

ccagcccgcc gctgacggcg gcgtcgacac gtacgggtac tctaccgaga cggcggtgac 180

cgccaccgac aacgactgac atgacgagcg gatcaccaag gaggagaagc accacaagca 240

caaggagcac 250

<210> 8364
<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h01b1

<400> 8364

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ccccgccggc ggaggaaatc ggcgaagcgg ctgcggtgcc cgcggccggg atgctcatgg 120

gtgccaaggt gcggcgccgc gcggccgtct accgcgactg catgggcgac tacatcggcg 180

tgcacaacga cccgtgcct 199

<210> 8365
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h03b1

<400> 8365

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gctgcagtat cacaaattct gaagtcctca ccagagtgaa atggtcagaa gaggaagata 120

aggtgctcac tcaaatgatc aacaaacatg ggctgaaaaa ctggcaaacg gtcgcacatg 180

ctatacctgg ccgaagtgca ccgcaatgcc gacaaaagtg gagatacaaa atagactctg 240

caataaacaa ggaggcgtgg tcggaacaag acgagttgag actgattcgt gctcatcaaa 300

tctatggaac 310

<210> 8366

<211> 116
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h04b1

<400> 8366

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tctcctgatg attctgtaac agttttatcc gtaggtcttg aggaattttt tgggtc 116

<210> 8367
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h05b1

<400> 8367

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aacgacgcac atctcggccc cgtagcagga gcgggaggtg tcggcggcgg agatggtcga 120

tgtggagcct ctttttcccg cgatctggtc ctccccattc atggccattg gcaggagggt 180

cccctcggat ttattccatc ctcggaggtg gcaaccgccc taggaggggc ggtgcacggg 240

cacggctatc ttggtggtcg tgatgttgtt ccgcaactgg ttcgccttcg ggtcggcgcc 300

acagatgagg cctgctgttg cgaccttgcc ctcgttcccg cggcgacgga ctacccccca 360

agatg 365

<210> 8368
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h06b1

<400> 8368

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tgttggaaat gacggcctct cccttatggc acagcagcac actacacaaa cacaggctgt 120

gagaaagaaa gtaggcggag gatgggatcc cacgtataca aagagaagct ttttcccata 180

ttggagatca gtgttacaag ctggggttcc tttgaaggtg tatccagccc atgcaagctc 240

agatcctagg tctcgtgtta accatggaca actccatgtc tctctgagta actcaatagc 300

caatggatct acaacaactc caaatcataa acttggtcga acctcgccac ttacaagcaa 360

taat 364

<210> 8369
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h07b1

<400> 8369

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tgctcctgct tgacgtcacg ccgctctcgc agggcctgga gacggccgga ggcgtcatga 180

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actctgac 248

<210> 8370
<211> 297
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189038h08b1

<400> 8370

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aaacccaagc caagaacaca cgctgttctg aatctgtcca tcagtctccg cttccactga 120

ttcgtccagc cgagaagaag aagagctgca gaagatgagc aagctctgga ccatnctcac 180

ccacctccac accctcgcag ggcctggcgt gatgctcctg tacccgctgt acgcgtcggt 240

gcaggcgatg gagagcccgt cgaagctgga cgacgagcag tggctggcct actggat 297

<210> 8371
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h09b1

<400> 8371

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tcatcatgga catcgccgtc agggagagcg gcgacgtttt ccgggtgata agctccctgg 180

tcgacgtcgg cggtggcctc ggcgcggcgg cccaggtcat ctcggaggcg ttcccgcaca 240

tggagtgcag cgtgttggag ctcgagcacg tcgtcagcaa ggcgcccgcc ggcaccagcg 300

<210> 8372
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h11b1

<400> 8372

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gcaaattgtt ctgaatggga gcaaattcaa atgccttcaa gtgttagatc actagtggtc 120

ttaaatctgt acaactacgg cagtggaagg catccatggg gtgatcttaa accagattat 180

cttgaaaaga aaggttttgt tgaagctcat tcagatgacg gtttgattga aatatttggt 240

ctgaaagaag gttggcatgc ttcattcgtt atggctgagc ttatcaaagc aaagcacatt 300

gctcaggctg cagctatcaa gtttgaaatg aggggaggcg agtgggatcg agcatatgtt 360

caaatggatg gcgagccatg gaaacaacca 390

<210> 8373
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189038h12b1

<400> 8373

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ccgaagcccg tgagaacagc gaagcgcgac aggaaaggca ctgaactagt ttgcaacaaa 120

gaagagagaa aatgtctacc gctgaggcaa cccgtgagga gaatgtgtac atggccaagc 180

tcgccgagca ggctgagcgt tatgaggaaa tggtcgaatt catggagaag gtggccaaga 240

ccgctgatgt aggtgagctc actgttgagg agcgcaacct gctctctgtg gcttacaaga 300

atgtgattgg tgcccggagg gcttcctgga ggatcatctc ctccattgag cagaaggagg 360

agagccgtgg gaacgaggcc tatgtcgcat caatcaagga gtaccgtacc aggattgaaa 420

ccgagctca 429

<210> 8374
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a04b1

<400> 8374

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ggagtagctt tcttgggttt gtacctgatg cagtttacca tgaacatgat gggtactcta 120

ttgtcatgag tttgccagag ttgtatgtta gtttctactc a 161

<210> 8375
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a05b1

<400> 8375

tcgcacatcc cgtggaggac aggagagagg cggcccgccg ccggcggaat caaacgcggc 60

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gaccactgaa tcactgatga cctgatcaga gcaggttagg aggggaaaga taaaattata 180

ggggcctctc gatactcctg cctgcaagta ggtgctcagc cttgatggcg atgcccggat 240

cctgcccgtc aacaacggcg gctccatctg ccggccaccc tcccatctgc cttgccgacg 300

cttcagctgg gggagctgga tcccaagaca tgctacgacc acgcctggtg ctcttcggcg 360

actccatcac tgagca 376

<210> 8376
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a10b1

<400> 8376

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gcagcccagt cccagatccg aatcccgaga cgcgtctagc cattgccgcc gtccccgacc 120

ttctccccgg cagggaatgg tgcactgcgg gcggcggtag gcagacacga gcagagaccg 180

tgtggcaaga agcggcggct gcgagatggc cggcgcggag agggagagga gaaagatgcc 240

<210> 8377
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a11b1

<400> 8377

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tccttcccca tggctccgat caagatcggc atcaatggtt tcggccggat cggcaggctt 120

gtggccaggg ttgcgctcca gagccccgat gtcgagctcg tcgccgttaa cgacccttc 180

atcaccaccg actacatgac ctacatgttc aagtatgaca ctgtccacgg acagtggaag 240

caccatgaag ttaaggtgaa ggactccaag acccttctct tcggtgagaa ggaggttgcg 300

gtgtttggct gcaggaaccc agaggagatc ccatgggctg ctgctggtgc tgagtacgtt 360

gttgagtcca ccggtgtttt cactgacaag gacaaggctg cagctcacat taagggtggt 420

gccaagaagg tcatcatttt tgctcccagc aaggatgct 459

<210> 8378
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040a12b1

<400> 8378

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ggagatggat cagctgatcc acgacgccgt cgctgctcac gaccacatgg ggatcggccc 180

cgtgctccgg cagtgccgtg agctcttcga ggggcttgag tctctcactg actgcggcgg 240

cggtgatggg acgacggcca ggtccatcgt cgaggcctac ccgcacatca agtgcactgt 300

gctggacctt ccaaaggtca tggacaaagt tcttcttccc gctgaagaag gagcggttaa 360

gtatgtttct ggtgacc 377

<210> 8379
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b04b1

<400> 8379

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ttctcgatct agctagagcc atggcgccga ccaagggcga ggggccggcc atcggcatcg 120

acctcggcac cacctactcg tgcgtcggcg tgtggcagca cgaccgcgtc gagatcatcg 180

ccaacgacca gtgcaaccgc accacgccct cgtacgtcgc cttcaccgac tcggagcgtc 240

tcatcggcga tgccgccaag aaccaggtcg ccatgaaccc catcaacacc gtcttcgatg 300

cgaagcgtct tatcggcaga aggtttgctg atgcccctgt ccagagtgac attaagatgt 360

ggccgtacaa ggttattcct ggccctgcag acaagcctat gattgtagtg cag 413

<210> 8380
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b05b1

<400> 8380

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atgtcgcagt tcgacaccgt cagcaacccg ctccgcacgc aggccggcag cacctccccc 180

gcccagtacc cgctcaacgt caccgccgag ggccagcagg tcaacatcac caccggcgtc 240

gtcaacgcca ccgtcgacaa cacgctctac accggcgacc agctcgtcgt ctaccaggtc 300

aacaag 306

<210> 8381
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b06b1

<400> 8381

ttcttggatg cgcagccagc ggcatccgtg ctgtacgtga gcttcggcag cctggcgtgc 60

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ctctgggtgg tccggccggg ccttgtagcc tcggacgggc tgacgcggct gccggacggg 180

ttcgaggcgg cgacgagcgg gcgcgggatg gtggtggagt gggcgccgca tgaggaggtg 240

ctccggcacg cggccgtggc cgggttctgg acgcacggcg ggtggaactc gacgacggag 300

agcgtgtgcg agggggtgcc gatgctgtgt cgcccgcact tcggcgacca gatggggaac 360

gccaggtacg tcgagcacgt gtggagggtg gg 392

<210> 8382
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b10b1

<400> 8382

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ccgttcagtc tcgcatgagg gctgc 85

<210> 8383
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040b12b1

<400> 8383

gtccgggaaa acaagagaaa agatgagtga aagaagctca aatcaaatgg catcctcccc 60

ttccttcctt ctccttgccg ctcttcttgc cttggtctca tggcaggcca ttgcctccga 120

ccctggcccg ctccaggact tttgtgtcgc cgacatgcat tcaccagtgc gtgtcaatgg 180

atttgattgc aagaacccga tggaggtcaa tgctgatgac ttcttcaagg cagccgccct 240

cgacaagcct agggtgacca acaaggttgg ctccaacgtc accttgatca atgtcatgca 300

gattgccgga ctcaacaccc 320

<210> 8384
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c04b1

<400> 8384

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atcgacctcc tgaacccgcc ggcggagctc gagaagctca agcacaagaa gaagcgcctc 180

gtccagtccc ccaactcctt cttcatggac gttaagtgcc agggctgctt caacatcact 240

actgtgttca gccactccca gactgtcttg gtgtgcccag gctgccaaac agtgctctgc 300

cagccaacgg gtggcaaggc caggctaacc gagggttgct ccttccgccg caagggcgac 360

taaacctccg aagtctatct gaaaaagcaa g 391

<210> 8385
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c05b1

<400> 8385

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ttacttcggt agaacgtcag aaaaattata gctggggtta ggatacctct cgagaagcag 120

tatatgcctc gctagcacac aagaacagtc aggaccatgt acgaatcgga cgaacagttg 180

gggctatgtc acaccaccaa tcgaacagtt ccgcgccggg acctgtgtct cgctcgcagc 240

cgcgccggca cccgtggatc gctggaagcc tcgccggcac ccgtgtctca ctggcagccg 300

cgccggcacc gggggcaaag tttgaagaaa caggcctcac acacctgatc c 351

<210> 8386
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c06b1

<400> 8386

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cgcggcggta tcgtcccccg catcgtcggt gtcggcacag cggacccagc cgtcggcagc 180

cgaggtggcg cggacggtgg ttgagctcgc gccttccggg acgctgtccg tcgtgggcgc 240

cgacagttgg gcgctcggtg tcggcgctcg ttttgtcgcc gacgccgctg gcgcgcccgc 300

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gtttcggcaa agtggagcca ggaca 385

<210> 8387
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c10b1

<400> 8387

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ctcgcagcta cctcggtggc ctttggagcg cacgagatgg cggaagaagc cccatcacca 120

gttgttgtcc cagctgaggc acctaccccc ggttcttggg gaagccaagg aactgtgtga 180

ctgctctaca gcttgtcatg aagaagtcaa gcgctcatga tggccttgtg aaggggctcc 240

gtgaggctgc caagtccatt gagaagcatg ctgctcagct ttgtgtgctg gctgaggatt 300

gcgaccagcc tgattacgtg aagctcgtta aggcactatg cgctgagcac aatgttcacc 360

tggttactgt gccaagtgct aaaactctcg gagagt 396

<210> 8388
<211> 166
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040c11b1

<400> 8388

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aaactattta ttctgggcca atgtgtagga tgcttgtagg cgatgtctat gcagaatatc 120

accgattggg catgccacca agcaccggtg ctccatgagc aaaagc 166

<210> 8389
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d04b1

<400> 8389

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gggcgtgtac ccgacggcgg tgctttacat ggcgctcaag ctcgtcaccg ggaaggggat 120

atacttcagg ctcacgtcca agcagacgga cgcctgctcc aatgacaagt tcgccgacct 180

gtacaccgtg cggtgggtgc cgctgctgct cccgaccatc gtggtgctcg tcgtgaacgt 240

cgcggccgtc ggggcagcga taggcaaggc ggcggcatgg gggtt 285

<210> 8390
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d05b1

<400> 8390

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ggggtgctgc ttcccggaca ccggcaagcc ggcgacggac ttcggcatcc acgggctatg 180

gcccaac 187

<210> 8391
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d06b1

<400> 8391

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cttcctctgc aactacggct acggcgcgtc ccagatcaag ctcatcacct cccctccggc 120

cgccttcagc tgcgccggca acgcgagcaa ggatctcatc tccgacctca actacccgtc 180

gatcgccgtc acggggctcg gcgccggcgc cagcaggaca gtgacccgtg aggtcaccaa 240

cgtcggagcg caggaagacg ccacctatac cgtcgccgtc agcgcgccgg ccggtctgga 300

tgtgaaggtc gtgcccagca agctccagtt caccagcagc gtgaagaagc tgg 353

<210> 8392
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040d11b1

<400> 8392

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agcgagcttc tggccgctcc ccaccgcctg tggtctcccg gcgccggctg gatctgagga 180

gctgcggtgt ttgcttgctt cttccttcaa ggtttcttgc aaatttgggt gaccttgaaa 240

gcttgtgaag aaggggttgt tggccaagta aaagatcctg gagctggctt agagtgttgt 300

ccataaaaaa aaatcatggg tgctc 325

<210> 8393
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e04b1

<400> 8393

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caactatggt aagacattca agaaaccaag gcgtccttat gagaaggagc gtcttgatgc 120

agaactaaag ctggtcggtg aatatggact gaggtgcaag cgtgagctct ggagggttca 180

gtatgcactg agcaggattc gtaatgctgc aagacacttg ctcacactgg atgagaaaaa 240

tccccgccgt atctttgagg gcgcggccct tctccgtcgc atgaaccgct atggtctcct 300

tgctgagggc caggataagc tt 322

<210> 8394
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e06b1

<400> 8394

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tgtatggtag ccatagtata ggaatcttaa aactactgtt ggctggctca cacatgacat 120

ttttaatttt tagtagacat gcctttgata agatgcattg ttcagttcta attaagtaat 180

tatggacctt ttgaattacg ggccaagccc cgtggtgtgc taaatgttgt tatctaccta 240

agcacctgga cttttgtatg cagagggtta tcagctatta aacagcatat gacaatcctg 300

ttctggccat ctgatgtttg tatgtttgag ttgttcgtgt tcgttgtagt gcatgaggcg 360

ggatttattg tgatggctct 380

<210> 8395
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e08b1

<400> 8395

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<210> 8396
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040e10b1

<400> 8396

tgatgactgg cattgcgtac agacattagc tgaagctggt aacggtggtc attcctcaac 60

agtatggtcg gtatctttta accagaaagg agataggatg gtcacatgca gtgatgactg 120

tactttgaag atttgggata cgagtgctga tttgtctgag ccaacaactg gagaaggtca 180

tgaatcttgg tttcatcttt ctactttatc tggacatcat ggtcgaacta ttttttcagc 240

ccat 244

<210> 8397
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040f04b1

<400> 8397

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atacaaccta tgagtacaac ggatgcctaa tacccagtat ccaccatgct accacgagat 120

tagcagcaag aacaacatgt ttattttgta tacgacacaa taaatagaag gaaataaaat 180

atattgttca cattgatatg taacactaac tttacacctg aacgccttcg ttccgacttt 240

acaagactac aacaggagct atggc 265

<210> 8398
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<212> DNA
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<223> Clone ID: uC-tsrow189040f05b1

<400> 8398

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tgagatcggt agtggatttg caggtactga cctaactgga agtgagcata acgatgagtt 180

ctatatggat gaggctggaa atgtgagaac acgaaccaat cgctcggcgg tgtacaggga 240

gggatatcaa atggtgaaac tatatacttc aaagtagctt tcaagccaac agcaactatt 300

gggaagaagc aaaatactgt aacaagggat catgaggata tcgaacttct 350

<210> 8399
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040f06b1

<400> 8399

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acaagaggtt attgaagaaa tcaacaaaag accacagata acaaagatat cttttgttgc 120

gcattccgtt ggaggattgg ttgcaagata tgccatcgga agactttata gacctcctgg 180

acaatcactt gaaaattctc ctcaaagttt gagagacagc aacagaggca atatacatgg 240

gcttgatgca gtcaacttca taactgttgc atcaccacat cttggttcta gaggaaacaa 300

gcaggttcct ttccttttg gagttact 328

<210> 8400
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040f10b1

<400> 8400

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acctgattcg gccctgaacc tttttggatg tgtaatact 99

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040g05b1

<400> 8401

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gctcatagtg gaggtggagg aacccatgca agtgctgg 218

<210> 8402
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040g06b1

<400> 8402

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ctgttgcccc tgtttgatcc cccaaggcat gacagtgctg atgaccatcc gcaaggcact 180

tgttcttggt gtcaacgtca agatgatcac aggtgaccaa cttgctattg gaaaggagac 240

tggtaggagg cttgggatgg gcacaaacat gtatccttct tctgcattgc ttggccaaag 300

caaggatggt tcacttgagt cacttcctgt tgatgagctg attgagaagg ctgatggatt 360

tgc 363

<210> 8403
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189040h06b1

<400> 8403

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gcctaagaca cattcacgtg ctgttagttc tgagttggtc atttggacga tatctcgatt 180

ctggacttgg cctaccttgt ttttt 205

<210> 8404
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a01b1

<400> 8404

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acagcaattg aggaagctgg tggcccaaag attccaatga aatatggacg ggttgatgtc 120

acaggacctg agcagtgtcc acctgaaggg aagcttcctg atgctggccc gagtgctcct 180

gctgaccact tgaggctggt attctacaga atgggccttg atgacaagga aatcgttgct 240

ttgtctgggg cacatacact tggaaggtct aggcctgaac ggagtggctg ggggaaacct 300

gaaacaaaat atactaaaaa tg 322

<210> 8405
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a02b1

<400> 8405

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cagtatgctg gaaaatttga ctagtccaac acataaggag gagcttgaag agcgcatgtc 120

tcggattaag gaagatccag ccttgaagcc aattcttgat gagttagaga atggtggtcc 180

tgctgcaatg ataaagtact ggaatgaccc tgaaactctt caaaagattg gccaggcaat 240

gggaactacc atgccgttta gcactgtctc tactgctgaa ccttctggta ctgaagaaac 300

tgaagaagaa ggtgaagatg aagacgaatc cattgtccac cacactgcca gtgttggtga 360

cggtgagggt 370

<210> 8406
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a03b1

<400> 8406

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atgcgcgcgc gcgggagctg gggatcgacc tcgactccgt cgacgtcgac tccatcaccc 180

tcccgcccgg cgaggacttc gacatcctca gtgatgatga ggatttactt cagaatgaag 240

acattccaga gctggagatg ggcttttcaa acattattgt ggtggacaat ctgcccgttg 300

ttcccccaga aaagtatgag aagctggaga acgtcgtacg caagatatac agtcaaattg 360

gtgtcatcaa agaaggtggg ctttggatgc ctacacaccc agagac 406

<210> 8407
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a07b1

<400> 8407

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tctgcaatat tggaggcatc agcacgcaga agccaaaggc cccaagctgg aggacttcct 120

gagcgtcggc tacggcaacg acaggagcag cggcagcgtc tacgacgcca gccacgccga 180

ccagctcaag taccaccacc accaggacgt ccatcacgcc tatccaggct cgccctactt 240

ccagggcaat ggctggcggt ggcgccgtca tcgggctgga catcaacaac gcgccgtcgt 300

cgtcacactg caccggcctt ccggaccacc actacatgcc ggcgcacca 349

<210> 8408
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a08b1

<400> 8408

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aaggggggtca acttcctggc aaaaaagtca gcgcatacat agctcggttg agaaactcca 120

aacctggtgt tcctctgata tccccaccac cacaccatga catctattct attgaggatc 180

tggcgcagct aatttttgac ctacatcaga tcaatcctaa agcgaaggtg tcggtaaagc 240

ttgtagctga agcaggaatt ggaactgtag cctctggagt atctaaggca aatgcagacg 300

taattcagat atcaggtcat gatggtggta ctggagctag cccaattagc tcaatcaagc 360

atgctggggg tcctagggaa cttggtctta cggaaacaca ccagacactc ata 413

<210> 8409
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a09b1

<400> 8409

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ccgaagaagg ggtccctcgg caccatcgcg cccatcgcga tcggcttcat cgtcggcgcc 180

aacatcctcg ccgccggccc cttcagcggc ggctccatga accctgcccg c 231

<210> 8410
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a10b1

<400> 8410

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ttcactgccg ctgcctcgac gaccaagcaa agccaggtct atatagtgta tctgggcgag 180

cacgccggag ccaagtcgaa gggaaccatc cttgatgatc accatgccct cctctccgtc 240

aagg 244

<210> 8411
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045a11b1

<400> 8411

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cgcctcgcgt tcctcggcac cagcatgctg gcgcggtcct gcaccgaaag catgctgcgc 180

aacaacccgc tggagacc 198

<210> 8412
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b01b1

<400> 8412

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cttccttcgc cgaaatccta ctcgagaccc aacccctccc cccatccgcc gtctccccac 120

cctccccgct cgttcccctt gcttctccgg gagggaagga acccgcgagg ccggcctccc 180

accctccgca aaagccacgc gccaccaacc caacccctcc gtcccgcccc gccccgcgcg 240

tcgctttcgc ctttctccgc gcaaccgaaa gagaccgacc gcgaggccca taaagaggga 300

ggcgccgagg ccggcggcta tgggcggcgg cagcagatcg cgcg 344

<210> 8413
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b02b1

<400> 8413

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ctgctccgca tgctcgagga ggggaagggg gctggtggtg accatgatca ccctgcacct 180

ccagtcaagg aagagatcat gggcagcggc gcggccgagg tgctggggcc tggcgtggat 240

ctgaatatcg gcttgccggt tggtggatct tgcgatgatg acatcatgga ggaggagagc 300

caggaggaag atgatgacca cgactgtgac gaagaggagg aggaagagat ggatgagttg 360

gaacctaacc atggcggttg caaggtgga 389

<210> 8414
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b03b1

<400> 8414

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gccctactac gcgtacccgg ccccgcagca gccgtactac gcgcccccgc ctcccccctcc 180

gcccgccccg cgccggagcg gccccggctg cctcctctgc ttcgtcttca aggtcatcgc 240

cctagtcatc atcgcgctgg gcgccgccac cctcgtgctc tggctcatcc tgcgcccggg 300

cgccgtcagg gccaccgtcg tc 322

<210> 8415
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b04b1

<400> 8415

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tgggcatccc ttttcttcac ggtggctcct ccttcactgc catgcccgaa ggcttctata 120

tactgcgttg gcgggaacca ggaagagcag aggcagactt tggcaggtat gacgtcaagc 180

gagtcgtgca caccatctac attctcttct ctagaagcga aatcccgaca gcgaaggaag 240

atcaagaaat cacggatctc gcggacctgt cgactcccct tccagagtgg ttcaccgagg 300

aggatcttgc agtctacacg tccctctatg agaaatcagg 340

<210> 8416
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b05b1

<400> 8416

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cagcgaccat gaagggcacc aagctcgcgg cgatcctcat cctccaggcc gtcctggtca 120

tgggagtcct ctcacacgtg aacgccgact atttccccaa gtgctgcaac aactgcaggt 180

ccttctccgg ggtcgacgtc tgcgacgacg cccaccccaa gtgccccaag ggctgctcgg 240

cgtgccgcgt ggtgtcgacg agccccgaaa tgtggcgctg cgcggatatg aaatccaccg 300

tcgacggcac ctgcggtggg ccctgcaaga agtactgatc ggctcatgcc agcatgatat 360

gtt 363

<210> 8417
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b06b1

<400> 8417

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aggcgtgggt ggacgtgctg ccgccgccgg cgccctactt cgccgggcag ccgtgctggg 120

ccgtacagca agagcgtcgt ggaggcggcg cctggacact ggaggagaac aaggtgttcg 180

aggaggcgct cgcggcgatc gacctggacg cgccggaccg gtgggagatg 230

<210> 8418
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b07b1

<400> 8418

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acggtctggc caagatgctc gtctccgacg aggcccggaa ggagttcgcc aacctccgtc 180

gcaccttcga ggacgtcaac caccagctcc agaccaagtt ctcccaggaa ccaaagccaa 240

ttgactggga atactacaaa aagggaatcg gatcgaaagt tgtggatatg tacaaggagg 300

cttatgatag cattgagatc ccaaagtatg ttgacactgt cacttctgag tacaagccaa 360

a 361

<210> 8419
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b08b1

<400> 8419

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gagcacggaa attgtcaagg ctgatcttgc ctccaagaca ttgaccagtg cagctggagc 120

aaccttcacc tatgagacct tgctcatcgc cactggctcc tcgaccataa agctcactga 180

ctttggcgtt caaggagcgg aatcaaacaa catattgtat ctaagggaaa ttgatgacgc 240

cgacaagttg gtcgcagcta tgcaagcaaa gaaggatggg aaggccgtcg ttgtctgagg 300

tggctacata ggacttgagc tcagcgcagc actgaaaatc aacaatttcg atgtcactat 360

ggtgta 366

<210> 8420
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b09b1

<400> 8420

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agacgggcag ctgggcatgg gccggtgcga cgagaaggac tgggcccgct gcatcggcgc 180

tctggatgcg tacgctcgct tcgtcgacgt agccggcagc cgcaactccc tcgccatatg 240

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ggagaccaag acagagagct ccccggcgca tgtcga 336

<210> 8421
<211> 274
<212> DNA
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<223> Clone ID: uC-tsrow189045b10b1

<400> 8421

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gtttggcctc aaggtgtgct gagtactaca agcaaggtgc acgcttcgca aagtggcgga 180

ctgttgttag catcccttgt ggtcctactg cattagctgt caaggaagcg gcatggggac 240

ttgctcgcta tgctgctatt gctcaggaca atgg 274

<210> 8422
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045b12b1

<400> 8422

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ccgtgctgag gatgtgcaag ggatgaatgt cctcacaaac ttctggggca tggacttcac 180

cactgacaag ctcaggtctc ttgtgaggaa gtggcagaca ctcattgagg ctcatgtgga 240

tgtgaagacc actgacaact acat 264

<210> 8423
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c01b1

<400> 8423

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ttgttggagt tgcagcagac gaggaaggcc tcaaagctct gaaccttgat gcagagacat 180

ggacatctgg cagagcagcc actctgctca aagacgtgtt ccagaatacc tatgaggtgg 240

cacgggactg tctcgacacc aattactatg gatccaaacg ggtaacagaa gccctccttt 300

ctctactgaa actatccacg tcgggagcaa ggatc 335

<210> 8424
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c02b1

<400> 8424

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tctgtgttcg gagaggggaa ttcttgaggt cggaatcgga acaagcgggc gcgctcggga 180

tcggggttac catacaattt ttcccaggaa cctttagtga atgtgctaat ggagtcaaag 240

ggtggcaaaa agtctagcag tagtagttcc ctgatgtacg aagctcccct cggctacagc 300

attgaagacg ttcgacctgc tggaggcgcc aagaagttct ctgctgcata ctcgaactgc 360

gcgaagaagc catcctgat 379

<210> 8425
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c03b1

<400> 8425

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gcgtgggggg tggcgagcct gcggctaggc tctcgccggc taggctctcg ctcctcgtac 180

cgggagcgcg gggccgacgt cttctcccgg gcgttctccg cggccggggc gggctccgag 240

gacgatgagg aggcgctcat gtgggcggcg ctcgagaggc tgccaacgca ca 292

<210> 8426
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c04b1

<400> 8426

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ggaaacttga gagagttgca aggagggaca accagggagg aggtagtctt ggaggttgat 120

ttgggggaa tttg 134

<210> 8427
<211> 186
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c05b1

<400> 8427

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tgcttccagc ggcgatgagc ataggggact cattgcctac gcgtgctggc tcgtctacat 180

gctctt 186

<210> 8428
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c06b1

<400> 8428

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tacaggaaag attagcttta aaagagaccg gggtggaact gggccgtgcc atcctgtttt 120

tcgggtgcag aaaccgccag atggacttca tatatgagga tgagctgaac aactttgccg 180

aatccggagc cctgtctgag ttggtcgacg ccttttctcg tgagggtcct acaaaggagt 240

acgtccaaca taaaatggca gagaaggtaa cctgattgat aactcaccga ttatccatgt 300

actgtcgttg attatatag 319

<210> 8429
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c07b1

<400> 8429

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tgagcgaaaa tgccggtcag caggatcgcc gcggggagcc accgtgaggt gtacgaggtc 120

ggcgccctca aggcggcgct cgccgagttc atctccacgc tcatcttcgt cttcgccggc 180

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ctgatctcgg cggcgatagc gcacgccttc gccctgtt 278

<210> 8430
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c08b1

<400> 8430

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aggaagagca ccctgcgcca gttcagcggt cgtggtgtta cggaggaggc ggagagaaag 180

<210> 8431
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c09b1

<400> 8431

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gaggggcggg gctggagacg gggaggaaga ggggcggcga gggtggaggc ggaggagga 119

<210> 8432
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c10b1

<400> 8432

tcgtcgatgg cgatggcgtc catccgcctc cttccgctcg ctctgctgct cctcctgctc 60

gctgcggcgc acgccgggac cccacggcag gagcccgcca tccggctgcc gtcgcagcgc 120

gcggcggccg ggcaggagga cgatgactcc gtcgggacca agtgggccgt cctcgtcgcc 180

ggctccaagg gctaccagaa ctaccgccac caggcagata tctgccacgc ctaccagatc 240

ttgaagaagg gtggtctcaa ggatgagaac atcattgtct tcatgtatga cgacattgcg 300

cataacccgg agaacccgag gccgggcgtc atcatcaacc accccca 347

<210> 8433
<211> 443

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c11b1

<400> 8433

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tcgccgccgt caccaccgca gctagataag agaaaaaaag agagagaaga actcgtcggg 120

agggctcgag atctgtgttc ggagagggga attcttgagg tcggaatcgg aacaagcggg 180

cgcgctcggg atcggggtta ccatacaatt tttcccagga acctttagtg aatgtgctaa 240

tggagtcaaa gggtggcaaa aagtctagca gtagtagttc cctgatgtac gaagctcccc 300

tcggctacag cattgaagac gttcgacctg ctggaggcgc aagaagttct ctgctgcata 360

ctcgaactgc gcgaagaagc catccctgat atcgttttgg catccccttc ccgtagttta 420

ggatttttat gcaattttat tct 443

<210> 8434
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045c12b1

<400> 8434

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cggacggtgc ccatggccat ggcatcgccg tcgtggtcat cttgctgcgc ctccacctcc 120

acccgtcctc tgcctagccc ccccgcgagc agcaagagca ggaacccatg gcgggcaagc 180

agcggcagga ggagcgccag cggagggaag agacggcagc agctgtccat ccgcgcggtg 240

gccgcaccgt cgtcggcggt ggactactcg gacaccgccg ccggcgccgg cgacgtcccc 300

tcgctgaaaa tcaagctgct gagcgcggtc gccgggctga accgggg 347

<210> 8435
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d01b1

<400> 8435

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cacaagatga tgctggcctg tctccaagca tcacagaaag gtaattgtgt tggtaagctg 180

atgatgcgca tgtgagcaca tgcgtattgt actacttgat gtaccagtac attggtaggc 240

taggacggtc tttgccatgt cgggtgcgct cgccttggca ggccacgaga caataaaaag 300

tatatttggt ggtgt 315

<210> 8436
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d02b1

<400> 8436

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ggatgggccc cgaggcggca acgctgtggc tggtctctga acggcacacg ccgggagtcc 180

ccccccttgtt gaatgagagg agcgacgaac tggaaactgt ggctcggatt ggagctgttg 240

gaatggaggt gtgtgaagcg ctcatgggat tgcacggcga ggggatggtg ctgggt 296

<210> 8437
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d03b1

<400> 8437

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acctccgtcg gtgccacagc aggatttggc ctcgtcgccc tactggcggc tggtctcatg 180

gcttgaacgc atatattgat cagctgccac gcgcacatat gagcttatat attgttaact 240

actgctgtag tcattatcac gggtgaatac atgtattctt ttttagagtg agaatgtgat 300

agttacttgt atctatcacg tctatatgta atctgcagac cttcatgtct tttatataat 360

cattctagag cattatttta tact 384

<210> 8438
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d04b1

<400> 8438

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ccgaatcttc tgcggcaagt ctttcaccgt cgacaacaac cagatggctc gcttcgccgt 120

ggtcgccgcc ctcctcgccc tcctcgccgt cgccgccgcc gcgcagggcc ccatgctggc 180

gcccaggacg gcccctcttc cagcgccacc ggcgaggtcc ccagccatcg cccctgcgcc 240

ggtcgccacc ccgcccaccg ccgtgtcgtc gtccccgatg gcatctaccc ctgccccgac 300

caccgacgct ccctccgcga tgacgccgtc cgcggtctct gccacacccg ctgga 355

<210> 8439
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d05b1

<400> 8439

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caagcttagc ttccatcttc tcgatctagc tagagccatg gcgccgacca agggcgaggg 120

gccggccatc ggcatcgacc tcggcaccac ctactcgtgc gtcggcgtgt ggcagcacga 180

ccgggtcgag atcatcgcca acgaccaggg caaccgcacc acgccctcgt acgtcgcctt 240

caccgactcg gagcgcctca tcggcgatgc cgccaagaac caggtcgcca tgaaccccat 300

caacaccgtc ttcgatgcga agcgtcttat cggcagaagg tttgctgatg cctctgtcca 360

gagtgatatt aagatgtg 378

<210> 8440
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d08b1

<400> 8440

cggacgcgtg ggcggacgcg tggggcccag tttgttcaag ctgcacagca taaaccccag 60

catcaaaagg ctgcagaagc taaatctgtg gctggggatt catcttcaat gccaagtgct 120

ggagataatg agagaaagaa atctgcatct gccaagtacc cgagtgattc acagcagcat 180

tct 183

<210> 8441
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d10b1

<400> 8441

tcgtcgccca cgcgtccgcc acgcgtccgc tccccccacc gccgcgcgat cccatctgac 60

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accttcgagg agggcgagcg cgagagcgag tacggctacg tccgcaaggt ctctggaccc 180

gtggtcgtgg ccgatggcat gggcggtgcc gccatgtacg agctcgtccg tgtcggccac 240

gacagcctca tcggggaaat catccgtctc gagggcgatt cagctacaat ccaagtttac 300

gaggaaacag ctgggctaac ggtcaacg 328

<210> 8442
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d11b1

<400> 8442

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agaggcgcct acggcggcgg agatggctcc cggcggcgga gatggcctcg gcggagcttg 120

acgccgggag tgccttggag agggggagcc gctgcccaga gggagagcgc gttgttgagg 180

ggaggaattc ggggaaccac atctcactac tggatgtgga cgacctcaaa cgaagatggc 240

ttgccattac agagaaagct gggaagggag caagtggtgc ttcggcgacc gcaaaaagct 300

gtagttggta agatggat 318

<210> 8443
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045d12b1

<400> 8443

tgttcgctcc gatccaccac caacacggct cgagctcttg gcggaggagg aggtgtcggc 60

agcttcgtcg tcgcggtcgc caggcagacg caggcgcggg aagagaggcg gagatgagac 120

ggccgctcgg cgcatgcggc agcagatcca gcccggccgc tgctttcctc ctggccgtcg 180

ccgcgatctg cgcccagttc gccacaggac tagctgatga tgcatctaaa gatgagtcaa 240

aaggtcacac tggccaaaca gttttgtttg tcctgctagg aattggtgca gccggtctgt 300

tgtcattctt ccttttcaag tattggcaga agaagaaaag agaggagcaa catgcacg 358

<210> 8444
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e01b1

<400> 8444

ttttaaaccc tagcgatggc gttccgcggc gcagcctccc gctccttcct cgccgccgtc 60

cgcggtcgca ccgcttccac tgccccgcgc gtacgcgcgg cccccattcc cgccgccccc 120

ccccgtcgca tccctgcctc ggcgccctcc tcccctctcg ccgccgcaag gccattggcg 180

gcgttgatgg ggtcgccggc gctggttgcc gcaaggctga cggggcactg cgcgtcgagc 240

gcgcgggcgt gctgtgagct ctcccagggt acttaaagga cgagttgctg cccttcgcaa 300

ggatacaaca gttcttttgg 320

<210> 8445
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e02b1

<400> 8445

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taccgctgct tcgtgggcgg cctcgtctgg gccaccgacg accacaacct ccagcaggcc 180

ttcagccagt acggcgagat cctcgacgcc aagatcatca acgaccgcga gacgggcagg 240

tcccgtggct tcggcttcgt cacgttcggc agcgaggagt cgatgcgcca ggccatcgag 300

gagatgaacg gcaagga 317

<210> 8446
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e03b1

<400> 8446

atcgtccagc gagcgacgcc aacgagagag agagaggaga cagagctcaa gcagcggagc 60

tacctaccca ccccctcgag gccggagcgg aggagatgga gtcgccggag ccggtgagcc 120

cgtcgtcgtc gtcgtcgtcg tcgggggacc gggagcagca gcagcgccac ggggcggcgg 180

agcggccgtc ggagacggcg gcgctgcggg cgctggtgga gcgg 224

<210> 8447
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e06b1

<400> 8447

acaaaacgca tgactcaagg ggcatgatgc aattgtcgat gctttggcca tcactaggga 60

ctctgatgat aaagaagcca acattcttgg accagctagt caagctgcaa gtgtcatcgg 120

aaaatctggt tctgtcatca agaggctgcg ctcagtttca aaatcattca ttaaaggtaa 180

accaaaagat ccaagtgacg ttacacactc atgtgctatg agttttgata atttcgctca 240

gataactggg gacactagag ctgtcaagaa ggcattgata gcaggatcaa caattctcta 300

caaatgggca tcgaaagaga acatttctct tgaaacatct attgatgaac atactccaac 360

cattatact 369

<210> 8448
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e08b1

<400> 8448

taccggtttc ttcctcgagt caagtggctc ttgattgatc ccaccaccag ccgcaccacc 60

aacgtcttct gtccgtagct ccttggtgcc tagctgctgt gttcacatca catctccatc 120

gatgaagacg aagcaggctt ccaaggccaa ggcggcgccg tcgccgggga aggaggagga 180

agcagttgca ccgggtggtt tccgcatggg gccatggacg gcgcaggagg acatgaagct 240

ggcgtggttc gtgcggctct tcggcgagcg ccgctgggat 280

<210> 8449
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e09b1

<400> 8449

acgcccacgc gtccggcttc ttccaccttg ccgctctctg ctccacttca tctgctgcgc 60

cccgcccatc catccttgaa acatcaagtt gaccctctgg ctgggccaca gcggttgcag 120

agacaacaag tctcctccac aaaaggggtg agatgtcctc gctgaggccg ctcaacacgg 180

aaccaagttt tctccactcc ccgaagctgc agagcccgag ggatgcctgc gccgcgccgc 240

tgaggtcgcc gtcgccgagg gtcgtcgtcg gcccgccaaa gaagaggatg 290

<210> 8450
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e10b1

<400> 8450

tgtttgcgac gtcactccat ccaagttgaa ccacacacca cactgccgtc gcgtcccgtg 60

ctcccaggtg agatcgagcg cgagtagcca gccgatgagc cgtctagttt cccggtggca 120

cctcgacgac gacgcggtcc tccgacgatc ccccgccggg ttcgctttca ggtggctgca 180

cacgccggca tttgcgacgg tgtcccccgt ggagatctca ggttcaagcc cggcggaagt 240

gcagaatttt gtgcagggaa aatggataaa gtctgctaac tggaactgga tagtcgatcc 300

tttaaatg 308

<210> 8451
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e11b1

<400> 8451

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cttgcatatg gtgaggatgg ctcccctcca gtcatccctc caaatgcaac gctgcagttt 120

gatgttgagc ttctctcatg ggcaagtgtc aaggacattt gcaaagatgg cagcatcttt 180

aagaagatac tagctgaagg cgagaagtgg gagaatccca aagactgtga tgaagttttt 240

gttaaatatg aggcaaggct tgaggatggg actcttatta caaaatctga tggtattgag 300

ttcactgtca aagaagggca tttctgccct gctatatcga aggctgtcaa gacaatgaag 360

aagaatgaga aggccctcct tactgtcaaa ccacaatatg 400

<210> 8452
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045e12b1

<400> 8452

tgtttcgagt gagcatgtgc tagatgaggt tgagaggtcc ttgcacgacg ccctatgtgt 60

gctttctcag acaggaaatg acacgcgtgt catatttggc gggggatggc ctgagatggt 120

gatgtccaaa gaggtggatg aacttgctcg gtggacccct gggaagaaat ctcatgctat 180

tgatgctttt tcgcgtgccc tgcaagccat tccaacaatc atagctgaca gtgctggtct 240

ggatagtgcc gagctgatct cccagctccg agccgagcac cacagggaga acagcactgt 300

tggaatcgac gtcatcagcg gcgggctggg agacatgcag aagcgtgg 348

<210> 8453
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f01b1

<400> 8453

tcgtttaatg tattgaatct tgcttttgac ataaaacaca agtactgatt ttgagcccct 60

tctccaccac aggcaaagag aagacgaggc cgaaccccaa caccaggaag gtatctgggc 120

accaaatcat cgcgtggaag gaggtattcc cgaagcaggt cacctgttag gagagaccgt 180

tacagctcac gctactcgcc tgagcgagaa cgctcttatt ctccttatcg cagaggacga 240

tcatactctc gtcgtgacag gcgtagatca tactcccctg atgaaaggag gcgatactac 300

tctccctatg gcagaaggag atcatact 328

<210> 8454
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f02b1

<400> 8454

tctttcacgc gtccgcgcag acgcagctcg accgaccaca actgtgcgca gcagcggcgg 60

ccggcggaga ccgtatcgta ccatggcgat ggagggctac gaccgcgagt tctggcagtt 120

cggcgaccag ctccgcctcc agacggccac cttctccggc ctctccctcg gcgactccat 180

ctggtccccc gtcgacgccg tccctcgcgc ccgcaacgcc gaccccggcc tcttctcccc 240

ctgccaggcg gtccacaaca acgccggaac cggat 275

<210> 8455
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f03b1

<400> 8455

tcgtaatatc ttgagaatag tagacatact tttatcgatt atatttctgc tgggtgtcaa 60

ttgaatttga tggtagccat cgactacaca gcttcaaatg gaaaccctcg gcttccagat 120

tccttgcatt atattgaccc ctccggacgg tcaaatgcgt atcaaagagt aatactggag 180

attggagata tactacagta ctatgaccca gctaagcgta tcccctcttg gggctatggg 240

gcaagaccta ttgacggtcc tgtttcacac tgtttcaact taaatggcag cacttatcag 300

cctgaggttg agggaataca gggaattatg tcagcttata tcagtgcgct acgcaatgtg 360

tcattggct 369

<210> 8456
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f04b1

<400> 8456

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acgtccggcg ccatgaacgc gaggggctac cgaagcacca gaactgctct ctttgatggc 180

attgaagaag gtggaatccg agcatcagct tattcttcac atgagataga tgaacatgag 240

aatgagcgag ctatggatgg attgcaagat cgagtcagca ttctcaagag gatatcaggt 300

gatataaatg aagaggtgga ggctcataac cggatgctgg acagaatggg taatgacatg 360

<210> 8457
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f05b1

<400> 8457

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ccaaggctgc ggccaagaag aaatgagatg gtgtcaggtt ctttactgca tctatggtgg 120

cggtggcggt atttggtggt ggtgatag 148

<210> 8458
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f06b1

<400> 8458

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gattgcctct ctagacatgc tgtgatggca tacagacact ctctcaattg atcattctcc 120

cctcggagga tgtcaaattc tttgtgtgtg tttcggagtg ctggggaagg ggcagaggct 180

ggggcagggg agacacgttc tttctcaatg ccttgatgca tgagggtggt gtacatggtc 240

a 241

<210> 8459
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f07b1

<400> 8459

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tcgctggaaa gaaagccttc aacatggtgg ccaggaccag agaccagaca gggaaggagg 120

tgctgtgtgc tctacctgta ctgtaaaaga ttcatcccat ggccgcggag tctgcctggt 180

gctggccgtg gctcagctcc ggcacggtgt ggttcctctt cttcaacgtc ttcgtcggcg 240

ccgtggccgt cctgtcctgg cggcagggca gcgac 275

<210> 8460
<211> 120
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f09b1

<400> 8460

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ttttgggggt ccttggttcc agggaaacca ggttctggag ggtaataaaa tccatggggg 120

<210> 8461
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045f11b1

<400> 8461

tcggtacaat gctggctcaa ccgatttggg ctgacaaatt gcgtgggttc atgaattata 60

gaggtaccgc aaaaattagg ttgcaagtca atgctacgcc tttccaggct ggtaggctta 120

tcctagcata tattcctcaa tatgttcatg agccaaggag ttatactatc catttaactt 180

ccttaacaac aattactcaa ttgccccatg tggaaatgtc cttgcaagac actgaggcgg 240

agctggtcat accatatata gctccaacca ctcattatag tgccttgtct ggtttctatg 300

attggggtac agtcttttgt tatgtttatt ccccattagc aactgggacg ggtagcaata 360

ctgatcgcta tactgcttgg atga 384

<210> 8462
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g01b1

<400> 8462

gcgtccgaaa atgcaacatg acttgttgtt tgatgttaca accttacagg ggcatcgact 60

caaatttgca acgacgaatt ttataccatg cttgtgtagc tcagtctgtg gcgggcgagg 120

cgtgggaggt gacgatgacg aatgatatgg tggtcagcag ataaaagaag ccgttcatct 180

ccattgccca gttggggcct cttaggggac taatctagca ttgggggtta caggaggaga 240

gacgctctca tggattagga tgttgcacat cattgacggg tcattccatg gattaggatg 300

ttgcacatca tcgacgggtc attccatgga ttaggatgtt gcacat 346

<210> 8463
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g02b1

<400> 8463

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cttctctcca gcaagcagag gcaatcagga agcctgcggc gatggcggtg gggttccgtc 120

gggcgctgga cgcgctcacg tcgcccaagt cggccctgct ggagtgcgcg cggcccaaga 180

agctgtcctc ctacgcgcgc gtccgctcca tcagcctccc cgtccgcctc cacccgctgg 240

tggccgcgct gcacgactcg gcgcgcgcgc t 271

<210> 8464
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g03b1

<400> 8464

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gtaaggcgcc ggtcccggcg aagaagaaaa cggagaaggt gaccaacccg ctgttcgaga 120

agaggacgaa gcaattcggc atcggtggcg ccctcccgcc caagaaggac ctccaccgct 180

tcgttaagtg gcccatggtt gtgcgcatcc agcgccagcg ccgcatcctc aagcagtgcc 240

tcaaggtgcc cccggcactc caccagttca cccgcaccct cgacaagaac cttgcaacaa 300

acttgttcaa gatgcttctt aagtacc 327

<210> 8465
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g04b1

<400> 8465

atcgttgacg cgtgggcgga cgcgtgggcg agggtgggac gtttgctttg tattcactac 60

tctgcaggca tgcaaagatg agcctgcttc caaaccagca agcggcagat gaagagctgt 120

caacatatta tcagcctggg gttgatcgga ctgctatgtc ctcaccattc aaaaggtttc 180

tagagaagca caagaagctg cggacatgtt tgcttctttt tgttctgctt ggagcatgca 240

tggtgatagg tgatggcgtc cttacaccca ccatctccgt tttggcagcc ttgtctggat 300

tacaagaccg aggcacaggt 320

<210> 8466
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g05b1

<400> 8466

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taccggtagt gatgctggaa agtccgctga ggcagtgttg gagtggccta agcaggacaa 120

aaagaggatg ctgcatgctg tttaccgtgt gggagatctc gaccgcacaa ttaagtgtta 180

cacagaatgc tttgggatga agctgctgag gaaaagagat gtccccgaag agaagtacac 240

caatgccttt cttggatatg gacctgagga tactaatttt gcacttgagc tgacttacaa 300

ttatgggtgt tgacaagtac gacattggag cgggctttgg acatttt 347

<210> 8467
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g06b1

<400> 8467

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tcctcgcctt ctccgcggcc tccacgacgt actccggcga ccgctactcc ctcgcggagc 180

tcctccgcag ggtgaccaag tgggccaacc tgaggggccc tctcgtcacc gtgggctgtg 240

gtcaccgcgc tccagctcac gttcatggcg ctcctgggcg tctacctctc cgccgtcatg 300

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atgtacttc 369

<210> 8468
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g07b1

<400> 8468

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actttcaggt gcttgtgatc attgctggat tgctccccaa ccctgagatt gccctggatt 120

ccctctctgt gtgcatgacg atttatggtt gggtgttcat gatctccgtt gggttcaatg 180

ccgctgcaag tgtaagagtg agcaatgagc ttggcgccgg caaccccaag tctgcatttt 240

tctctgtgtg ggtcgtgacc gggctctctg caacaatctc taccatcctt gctgttgtga 300

tcctctgcct ccgcaaccac atcagctact tgttcacaga tg 342

<210> 8469
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045g09b1

<400> 8469

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cagttcgtgc tcctgggcct gcccatactc ctattctgct ccgacgtagt cacgctcttc 120

gcgccgtatc cgtcggcggg ccccaagtcc caccggcacc cccagccggt ctgcggcgcc 180

ttccagcctg gcgactccta ccgctacgc 209

<210> 8470
<211> 122
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h01b1

<400> 8470

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ttgcaacaca cagttatgct gtccactgct ggatcgaact tgactagctt attgctttaa 120

aa 122

<210> 8471
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h02b1

<400> 8471

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aacccttctt gaggcgcttg acccatatca acgagcccaa gaggtcgtct gacaagcccc 120

tccgccttcc ccttcaggac gtttacaaga ttggtggcat tggaactgtg ccagttggtc 180

gtgttgagac tggtgtcatc aagcctggta tggtt 215

<210> 8472
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h03b1

<400> 8472

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ctcatggtgc accaagttaa gcagcaattt ctatgactgg acgtgccccg gagtgtacaa 180

cgtggtccag caacacgtgt ttctgccat gagggaagag ctgaggatgg gggcctccct 240

gctcaggctc catttacatg actgctttgt caatgggt 278

<210> 8473
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h04b1

<400> 8473

tcttctttca gaagcgttgt atgttgcaga gcagaaggcg agggaagcag tgcagatgcg 60

ctccaaggtg cagagggagc taatgctaaa ggagaaggag aggaaggagc aagagttgag 120

ggcacttgca cagaaggccc gcatggaaag gtctggtgct ccacctccat ccacgggtat 180

gcctgttgga ggtgggaggg agaga 205

<210> 8474
<211> 337

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h07b1

<400> 8474

ttcgtctgac aggccacctc aaccccgctt ggcgatccga acccaccgac tcctcgtggc 60

cgacgacgcc accatggcgg cgctcctagc ccggcaggca gccctggccc tccgcgctag 120

gcagacggcg cgtctcggcc cgtccgcgac ggcgatgcag ggccacctcc ggacctacat 180

ggacgcgggg gcgcccaaga ggttcaaaga ggacgaggag aaagaacagc ttgcgaaaga 240

gctcgccaaa gactggagtg ctgtgtttga aaggagtatc aatacattgc ttttgactga 300

aatggtccgt ggtttgatgc tgacgctcaa gtacttc 337

<210> 8475
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h08b1

<400> 8475

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tatgatcctc aggtgactga ggactaattc cagcgtgacc ttgcgtggaa ctaatttgtc 120

tgggaccacc ctgttcatgt ccagcccatg agccccacga ctacaaagga agtctcggct 180

acgtgggatg catatgcggc taccaaagat gcccatggca tctgcatcat gactgagtgg 240

gatgagttca agactgtgga ct 262

<210> 8476
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189045h12b1

<400> 8476

actcacgggg aaaggggaag gggaagcagt gtgtgtcggt gtcggcgagc aatggcggac 60

aagccgagcc gggcgctggt gctcta 86

<210> 8477
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a02b1

<400> 8477

gttctgctgt agcggatgcg gctgtcggac cccaacggcg tgctccagag ctgggatccc 60

accctcgtca acccctgcac ctggttccac gtcacctgcg acagcgccag ccgcgtcgtc 120

cgcctggatt taggcaactc caacgtctcc ggctccatcg gccccgagct cagccgcctt 180

gtgaatcttc agtacctgga gctgtacagg aacaacctca acggcgagat cccaaaagag 240

ttgggcaagc tgaagaattt gatcagcttg gatctgtatg ccaataagct caccggaaga 300

atcctcaagt ccctttccaa gctcagctca ctgagattca tgcgtttgaa caacaacaaa 360

cttgctggat caattccacg ggagctggcc aaactcttca acctgaaagt cattgatttg 420

tctaacaatg acttatgtgg 440

<210> 8478
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a03b1

<400> 8478

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tgaaacctgg atgttatgag acttggttgt gtcttttaat actagtttgt tgaatttt 118

<210> 8479
<211> 135
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a06b1

<400> 8479

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caaaggggct gaaatttgta actgttttga tcagcattgg agctgtcgct ggtcttacta 120

caacacttct tgttg 135

<210> 8480
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a07b1

<400> 8480

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aggtcaacgg cctggtctac gacgccatca acaacggcgt ctacaagtgc ggcttcgcca 180

agaagcaggg gccatacgac gaggccgtca cgacgctgta cgaggctctg gacaagtgcg 240

aggagatcct gggcaagcag cggtacatgt gcggcaacca gctcacggag gccgacgtcc 300

gcctcttcgt cacgctcata agatttgacg aggtttacgc cgttcacttc aagtgcaaca 360

tgaagctcct gagagagtac cctaacctgt tcaactacac caaggacatc taccagatcc 420

ccgggatcaa cagcacggtg aacatggagc aca 453

<210> 8481
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a08b1

<400> 8481

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cccggtgggg atcacccgga gcagcaagac catccgggag gcggcgctgc ccgaagtggt 120

cggcgtgatg cgagaggcca aggaggcgct taaggtgagg ttcacggact ggatgcacgg 180

tggcgccaag gacgaccact acaatgtgcc gctggattac ggcaccgtga cggtgtcgga 240

ctggagccgc gtcggcttca acgaggtgga ctatggcttc ggtgagcccg gatacgtgtt 300

cacgctcaac gacgacgtt 319

<210> 8482
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a09b1

<400> 8482

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ctagagcagg ccctgtttta attctttttg ggggcgagga taccaaaggg aagaaactac 120

atgaccttca tatgtttgat ctgaagtcct taacatggct tcctttgaac tataaaggtg 180

ctggaccttc tccaagatcc aatcatgttg ctgcacttta cgatgacaga attcttttga 240

tttttggagg cgaatcaaaa tccaagacct tgaatgatgt ccatgctcta gattttgaaa 300

caatgttatg gtcaagaatg agaacacatg gtcatcatcc atcacctcgg gcaggttgct 360

gtggagctct ctgtgggacg aaatggtata tagcaggggg 400

<210> 8483
<211> 481
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a10b1

<400> 8483

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aagctggagc aggccgccga gatggagcgc cagcgtctgg acttcgcacg ggagcttgag 180

tcgcaacgcg tgcagttctt cctcaatacg cagaaggagc tctcacaggg caagagccac 240

atctctcccg ctgcggctgc ctcccactcc caggtaggtg ccgccactgt tggtggctca 300

tctaggagga tggcgtccgt accagattcc acatcgagaa gaatggcacc gtttcctgat 360

gcccggacga gcagcaatca ccatgaccgg taccgtgcca gcgacggtag cagacaccat 420

caccgccctg ccctgcgtcc gcattatcag taccatgaga acaatatggc agactctgca 480

g 481

<210> 8484
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a11b1

<400> 8484

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tgccgatctg gccgccccgc ggtcgggcac gatctggagg accaacaggc ggtggtgcac 180

ggtctgggcg gcggcgacct gcgcggccca ggtgctgcac cgatgcctcc ttcctccgtc 240

gcccaggtcc aaggcggctc tcttctagcc aaccaccagc catgcgtcgc cccctcctcc 300

ttggccgact ctctcctcct ctagagaagt agca 334

<210> 8485
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047a12b1

<400> 8485

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agcagcagca ggggagcagg ccgctgtgcg acttctccaa ctttcgggcg aacgtgtgcg 180

agatgcgcgg cgacgtgagg gtgcacccga aggccacctc ggtgctcttc atggagcccg 240

aggggtcgca gcgggacgag gtgtggaaga tcaagcccta cccgcggaag ggcgacgagt 300

tctgcctcag ccacatcacg gagctgacgg tc 332

<210> 8486
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b01b1

<400> 8486

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actcctgatg gtgctgtttt tgagagcaat gctattgcac gctatgttgc tcgctcaaag 120

ggtgacaacc tgctttgggg tggttctctc attgaatatg cacgtgttga gcaat 175

<210> 8487
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b02b1

<400> 8487

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gaggtacagc ccttcacacc gtagtccccc gaggagggga tatgg 165

<210> 8488
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b03b1

<400> 8488

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accgcatgtc gtggtctgac acggacgcgg cgctcttcgc ggccgtcctg ggccacgacg 180

ccgcgcgcca cctggccacc acgccgccgc acctcgacgg cccggcctcg tcgtcgcccg 240

agctgcaggc gcgcctgtac gacctcgtcg agcggggagg agcctggacc tacggtatct 300

ac 302

<210> 8489
<211> 119
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b04b1

<400> 8489

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tgtcctcgcc cgagcgctcc gtctcgtcca cgctcaccga gtcgacgtcc acggcctcg 119

<210> 8490
<211> 426

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b05b1

<400> 8490

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tatgcagaaa ggctattcta ttactatact gcttgctgtt cttacctttg gagggtctac 120

tcgttggctc ctgtacactg aacaagcacc tactgcatgg ttcaattttg ccttgtgtgg 180

cttggtgggc atcatcacag catatgcttt tgtttggatt tccaagtatt atacagatta 240

taagcatgag cctgtccgcc ttttagctct ttcaagttcc acaggacatg gaactaatat 300

tattgctgga gtaagtttgg gaatggaagc aacagcctta ccagttctag tgatatctat 360

agccattata tcagcatttt ggttgggacg tacctgtggc ttggtagacg agcttggcaa 420

tccaac 426

<210> 8491
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b07b1

<400> 8491

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cggtggccca ggtgttcaag gcgaatgatg tcgccctgtc gaaccatagt agctccaggt 180

tgcaggacat tcgtgggctt cggcggtaag ggcatcttga tcgcccccta tggtgagcac 240

ttg 243

<210> 8492
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b08b1

<400> 8492

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gtttaatcat gtggtatcag ttgtcaccag atacatcact tgatattatc attcggtgtt 180

atcaccaact acttggtgag ggcaaagttc caaatcctgt tcctgtatac atcgatgaag 240

gacctctcga ggaagcactt cagtggtccc caggtgaccg gtttgacata tctttttatt 300

taatgcttct tcatgcaaac caagatgaga agtttgggct tctaaagact atgttcagtg 360

cattctcgtc atcgtatgat cccatggact accatatgat ctggcatcaa cgatctattc 420

tcgaagctat tggtgctttc agtacaaatg atcttcatgt actggatttg 470

<210> 8493
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b09b1

<400> 8493

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ccatcgagga ggtgatctac cacaacgaga cgtacgacgt gacgaccata cgcgcgagca 180

cgccgatgtt cctgatggcg cgcaagatca aggcgctcgg ggttaagatg gtgctgtctg 240

gggaaggc 248

<210> 8494
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b11b1

<400> 8494

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ctacacctgg agggccgtct acgcctactc ccaccacggt atttatgttg gaggaagcaa 180

agtggtccat tttacacgaa agaaggaagt tgaatcttcg gattcatcca actccatctc 240

tggcctgatc tcacgggctt catcagagtg cccaacattc ccagactgtg gttttcagct 300

ggccgatagt ggcgtcgtac tcacctgctt ggattgcttt cttgcgaatg gctccctcta 360

ctgct 365

<210> 8495
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047b12b1

<400> 8495

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cctcaggaag ctgacggagg cgccgtacct ggagacggtt gactggagca cgtggcatgt 180

gtactgggta gacgagaggg tcgtgcccaa ggaccacgag gatagcaact acaagctcgc 240

cctggatggg ttcctctcca aggtaccaat tcctgctggt caagtgtatg ctatcaatga 300

tgccttgtct gctgagggag cagcagagga ctatgaaact a 341

<210> 8496
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c02b1

<400> 8496

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tgcgtgtgtg tcgtctctgt tcggtcgctc cggcgagatg aagctcccgc tgtcggcggg 120

gtcgcccgac gcggcgccgg agatggccaa gcc 153

<210> 8497
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c03b1

<400> 8497

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aagctctgga gccttcttag gcagagtgct gtggctagca gtgcctccac cggctcggct 180

cctgccctgt tcaacgctgc ccgcttcatg tgcgccggcc agcctgctga tggctccaag 240

ctttttcgtg gtggtctcgc ctgggctact gatgatcatt cgctgaagga gg 292

<210> 8498
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c04b1

<400> 8498

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ctgagactat gtattttatt tgtccttttt acacaccctt attgtgttat tcactccctt 120

ttagttgttg atttatttga aatgtattgc ttgccagctt ttgcattgtc attatcttga 180

aatcatctta aatgtgtgtg tgaactgcta acttggttct tcctctcgga tgtgattcct 240

tagacctttc atcatcatat tcatttcatt gtatattgca agacttggat tcaaatgttg 300

aatttgttat tcgattgttc ttgttctggc attttgattg aaaaactgga atcctttgaa 360

aacatccacc caagccca 378

<210> 8499
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c05b1

<400> 8499

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gccatggtct cggacagccg cttcatcgtg gacatcgccg tcagggagag cggcgacgtt 180

ttccggggga taagctccct ggtcgacgtg ggcggtggcc tcggcgcggc ggcccaagtc 240

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aaggcgcccg ccggcacctg 320

<210> 8500
<211> 86
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c06b1

<400> 8500

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gaggtggtga ccacgttcct gctggt 86

<210> 8501
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c08b1

<400> 8501

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gcgctcgtcg tgctgaagcc gtcggcggga ggcgccgggg gctcctcctc cagcggcggg 180

cagggctcgg aggcgctcgt gctggccaac gccacggacg tcagccactt cggcttcttc 240

cagcgcggcg ccgcccgcga gttcatcgtc ttcgtcgccc gcaccgtcgc ccagcgcacc 300

cagcccggcc agcgccagtc cgtccagcac gaagaataca aggttcactc acacaacaga 360

aatggcctct gcgtggtggc attcatggat gatcactatc ctgtacgaag tgcattttct 420

cttctgaata aggtacttga cgaataccag 450

<210> 8502
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c09b1

<400> 8502

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catccttata aacggcagta agttgtgggt agctaatgtt ggggattcgc gagctgttct 120

tctgaaagga ggtgaggcca tacagatgtc aattgaccac gacccgaatg ctgagcgcgg 180

cgctattgaa aataagggtg gttttgtttc aaatatgcca ggagatgttc ccagagtctg 240

tggacagttg gccgtgtcca gagcgtttgg ggacaggaat ctaaaatcac ttttgaaatc 300

agagcctgat gtgaaagttg atgatatcga tcacactgct gagctagt 348

<210> 8503
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c10b1

<400> 8503

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ctatcgtcca gaagctgtct gccattgagt cgcttgctgg tgtcgagatt ctctgctctg 180

acaagaccgg taccttgacc aagaacaagc tctctcttgc tgagccttac tgtgttgccg 240

gtgtcgaccc tgaggacctc atgctcactg cctgccttgc tgcctcccgc aagaagaagg 300

gtattgatgc catcgacaag gccttcctca agtctctccg cttctacccc cgcgccaagt 360

ctgttctgtc caagtacgcc gtcaaggagt tcttcccctt cgaccccgtc tccaagaagg 420

tcact 425

<210> 8504
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047c12b1

<400> 8504

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ttgatgcaac ttgatggatc ccatgactat gttgattgct tcatatctga tgccggcagt 120

atttacaaaa ccaagattga tggtgcaaaa agtgctgcta tagagcttac agataaggat 180

gaattgattg tcattcgttc ggatgaatct tctggattag atgttcttga taacgaactc 240

gccaacttgg caacctggtt g 261

<210> 8505
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d01b1

<400> 8505

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ctccaccctc atcttcgtct tcgccggcgt cggctctgcc atcgcctaca ctaaggtgag 180

cggcggcgcg ccccttgacc catccgggct gattgccgtg gcgatatgcc acgggttcgg 240

gctgttcgtc gcgg 254

<210> 8506
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d02b1

<400> 8506

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gtgttcaacc gttagttact actgtaccag caaggccgca aatataattt tatgcattct 120

aaaaatatat catctagttc gagagctagg ataaaatata ccaacactgt agtttgttgg 180

ttctttttgt gtgtggatca tctatgttgt gcgtttgcat tttgagcttg atgcagtcta 240

tgttacagtc ctgcaaattg aagcatacaa actactccct ccgcttttgt ttactccatt 300

attagttttg accctagtcc aactttataa agattgacca agtttataga aaatgatatt 360

aaatttcaca ataactaata tatat 385

<210> 8507
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d03b1

<400> 8507

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ggtttccgta gttcggagag gagagaaagg gagagatcca tggcggagac g 111

<210> 8508
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d04b1

<400> 8508

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tcgtgcaccc cggcgagaac gcgcgccgcc gcgacccgcg ccgctactcc tacagctgcg 120

tgccctgccc ggagttccgc aagggcgggt cgtgccgtaa gggcgacggc tgcgagtacg 180

cgcacggcgt cttcgagtgc tggctccacc c 211

<210> 8509
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d05b1

<400> 8509

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acgtcgactc tggcaagtcg acgaccactg gccacctgat ctataagctt ggaggcattg 180

acaagcgtgt gatcgagagg ttcgagaagg aagccgctga aatgaacaag aggtctttca 240

agtacgcctg ggtgcttgac aagctcaagg tcgagcgtga gaggggtatc acc 293

<210> 8510
<211> 127
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d06b1

<400> 8510

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ctcgccgccg gctgctgcgc gtcggcgggc gccgtggcgt acctctccaa gctgccggtg 120

accctcg 127

<210> 8511
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d07b1

<400> 8511

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aggaagtgct gtttgttaaa tttgaaaacg tgtgcgaata gtagctacta gggaatctag 120

accagatggt attctggcat cacttgtgcc ttgcattttt atgcaatact tagccataaa 180

taaatggacg ccacttcata ttccttgaac catttc 216

<210> 8512
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d08b1

<400> 8512

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agctagtagt cccatggcca tggccagatg cctcttgctg ctagccatcg tgtcccttgc 120

cgccgcggaa ggcggcggaa acaactccac cgactctgcc gggcaggtcc gcctgagctg 180

cggcgcgtcc gccccggcca ccgactccga cggccgtgcg tgggaaggtg actc 234

<210> 8513
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d09b1

<400> 8513

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cgtcttcccc ttcaggacgt gtacaagatt ggcggcattg gaactgtgcc agtgggccgt 180

gttgagactg gagtcatcaa gccaggcatg gttgtcacct ttggtcctac tggcctgacc 240

actgaggtga agtccgctga gatgcaccat gagtctctcc tggaggcgct tcctggtgac 300

aacgtcggct tcaacgtcaa gaacgtggct gtcaaggatc tcaagcgtgg gtacgtcgct 360

tccaactcca aggacgaccc tgccaaggag gct 393

<210> 8514
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d10b1

<400> 8514

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gggcaagacg gcgtccaagg aggccggcgg cgagggcaag acccggggcc gcatgaaggg 120

cagcaaggcg aagaagggcg tggagacgta caagatctac atcttcaagg tgctgaagca 180

ggtgcaccct gacatcggca tctcctccaa ggccatgtcc atcatgaact ccttcatcaa 240

cgacatcttc gagaagctcg ccggggagtt cgccaagctg gtccgctaca acaagaagcc 300

caccatcacc ttccgggaga tccagac 327

<210> 8515
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047d11b1

<400> 8515

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tcggcatcga cctcggcacc acctactcgt gcgtcggcgt gtggcagcac gaccgggtcg 180

agatcatcgc caacgaccag ggcaaccgca ccacgccctc gtacgtcgcc ttcaccgact 240

cggagcgcct catcggcgat gccgccaaga accaggtcgc catgaac 287

<210> 8516
<211> 157
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e01b1

<400> 8516

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aatttcgtac agatatacac ccacattaga gttagactct tcgggcttag ttcgattgat 120

tttactgaca tggcttcctc gcgtgccatt atgatgc 157

<210> 8517
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e02b1

<400> 8517

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agcaccaaca agacgctgct caagagcgac gccctctaca cctacatcct cgacaccacc 180

gtgttccccc gcgagcacga gtgcatgcgc gacctgcgcc tcatcacgga caagcaccca 240

tggggctaca tgcagtcgtc ctcggacgag gcgcagctgc tggggatgct gatcaagatg 300

gcgggcgcca agaagacgat cgaggtgggc gtgttcacgg gctactc 347

<210> 8518
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e03b1

<400> 8518

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gccgtgggag cggcgacaac atcacctgcg tcgttgtcaa gttccagcac agcaagacgg 180

gcggtggtga ctcccctccc atctctcccc cgggcaatca aatttgattg ctactattcg 240

tccgctatac atgttgttgt tagcctttaa atttacagca gctggatgga tgttttctct 300

gttgaatgag ttgtatgtac attggcggct ggtactagat ggcgac 346

<210> 8519
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e04b1

<400> 8519

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aggaggagat gaagattatc aaagctcaga cagagatctt tatcttaaaa gagagtttgc 120

gcgacatgtc tgaagcgaat tcggactact cggcaaaact gcagaagaag gaagaagcat 180

gcaaggttca tgaggagaaa ttgggctgct tgtcacagga taatcagaag ctaactgaag 240

ggatcggttc attacggaaa gtattgcact tggatgagaa gtacgagtcc ctggaccaaa 300

tgaagcttga catcattttg cagctcatgt tgcatgaggt caactgctta aggagtacaa 360

tatctgatgc ccaggatgcg agacag 386

<210> 8520
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e05b1

<400> 8520

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cacgctggag ccacgagcgc caccgccacc atttggagcg ccgccgttgc cggagatgag 120

tgccccgctg ccccatgctt cttctccctc tcctctcatt cgtttctctt ggctctctag 180

ctctctgcct ctcaagtctc cctattatct ccccgtgtag gagccgtgga agccatggac 240

tgaattc 247

<210> 8521
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e07b1

<400> 8521

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ctctcaaagt tctccgggca agactatatg aattggaaag gcataggctc catacagacc 120

ggtcgaagct ccgatcagag cagattggaa gtggtgacag gtccgagcgc atcagaacat 180

acaacttccc acaagggcgt gtcactgacc atcgtgtcgg ggtcacgcac cactccatag 240

tggacgtcat ggagggagag agcctggacg tcttcatcga agcgctgctg ctgcaagaag 300

agatggatgc aattgcttcg tttgcttcgt gagccctaat ttttgtggat ttcttcctgg 360

agcgacaaac cgcatcataa acacactgaa cactgaacca acatagagga gaaactctag 420

gattatg 427

<210> 8522
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e08b1

<400> 8522

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cgttcgacca actcgcctct agaacacaga gccccccgcc gcccggatcc cttcttcatc 180

cccctctccg ctctttgtat cgctcaccac cgccatggct aagcagcaga agaacgcgca 240

cgtcccgaag ttcggcaact gggacaacga cggcaacgtc ccctacacgc tctacttcga 300

caacgcgcgc aagggcaagg gcggcaagcc catcaacccc aacgaccccg tcgagaaccc 360

cgaggccttc t 371

<210> 8523
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e09b1

<400> 8523

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ggatgcttga caagcttggt ggagcttttg cccccaagcc atcatctggt cctcacaagg 180

ccagggagtg cctgcctctg atcctcatcc tgaggaacag actgaaatat gctctcacct 240

accgtgaagt gcaatctatc cttatgcagc gtcatatcat ggctgatgga aaggtccgca 300

ctgacaagac ctaccctgct gggttcatgg acatcatttc cattcccaag actggtgaga 360

actaca 366

<210> 8524
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e10b1

<400> 8524

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tatttggtcc cggcaaccag tatgtcacag ctgctaaaat gattcttcag aacagcgaag 120

ctatggtctc tatagacatg cctgctggcc cttcagaagt tctggtaatt gctgacaagt 180

atgccaaccc agttcatgtt gccgctgatc tgctatctca ggcagaacat ggcccagata 240

gtcaggttgt tctagttatt gcgggagatg gtgttgattt aggt 284

<210> 8525
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047e12b1

<400> 8525

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gcgggtcgga ggcgtgg 137

<210> 8526
<211> 126

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f01b1

<400> 8526

cggtcgctcg gggtcgaaat agccggtgat gcgtgtttac atgggtgata ctttctgcca 60

tgtaaattga aatatgtctc atgatgtttc tttattagtt gctgcatagt tatactgaat 120

tgcatt 126

<210> 8527
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f02b1

<400> 8527

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tgttttgagc aatatggggc tctcagaggt ttcttctgct ttaacatgat ttggcgacct 120

cgacgatggg tagcttttcc tata 144

<210> 8528
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f03b1

<400> 8528

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atgaacggct acttgcccaa aataacccag gaggcttgcc atctgcgtcc tcagatgacc 120

gctcgctgtc aacttgcatg tgtacatggg aagaacacat atcatcattg agggatttga 180

agtttggagg at 192

<210> 8529
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f04b1

<400> 8529

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gcatgccgcc gttccggcgc tgggcggatc tgccggcgga cctcctctgc cggatcggcg 120

acagactgga cctcaagtgc tacgccagcg cgcggggcgc ctgcacggtc tggc 174

<210> 8530
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f05b1

<400> 8530

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gcctccccgt tccacgaaaa gagagcttag cgctaccaag ccctccgttc tttccagttc 120

tcggctgctt tctccgtccc ggtcatcaat cttcgtcgag cagagagagg aaggaggt 178

<210> 8531
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f06b1

<400> 8531

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aagcaagcaa tgcaatggca ctggatggca ttttatttga aggtgcacca gtgaaggtta 180

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ccaatttgaa tcttgctgcg gttggcctaa cacca 275

<210> 8532
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f07b1

<400> 8532

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atgaaagagc aactgaaagc aagcaggatt aagatcttgg ctgccttcct ggtcttcgcc 120

atggttactc aaggcttcgc gattcgtgtc aaggggacag tgaggaatga catgacagat 180

gaggctatca gcacgaaaac caccctcggt gcaggcagca gcacaacggt ggacaaccac 240

catgcaatcc cacgggatca gtatagtagc catggaggag aggacggatc 290

<210> 8533
<211> 163
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f08b1

<400> 8533

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cttcgaggcc ggggagctca cctcctggtc cttctaccgg gcg 163

<210> 8534
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f09b1

<400> 8534

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cctaggagag gatcaatgtc caattatcac gacgatcacg tcgaagacat ggaggatgat 180

tatgacatgg acgaccccgc tgaggacatg gttgacgccc accacgagcg aggtttaaga 240

gactccgatt cggaggatga cgagtatgcc cattcgaatg ataagatccc agatacttcg 300

gcagcggatg caagaaaagg gaaagacatc caaggaatac catgggagag gctagctatc 360

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aattctggag a 431

<210> 8535
<211> 359
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189047f10b1

<400> 8535

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agcactagtc ctatccggcg ccgggctggt ggccgcgcag aactgcggct gccagccgaa 120

cgagtgctgc agcaagtacg gttattgcgg gaccgatgcc agctactgcg gacaagattg 180

tcggtcgggc ccgtgcacgg cgagcggcgg cgggagcggc gatcccgtgg agagcgtcgt 240

caccgacgcg ttctttgacg ggatcaagtc ccaggccgcc gacgggtgcc ccgggaagag 300

cttttacacg cgccagttnt tcctggacgg cgcccaggcg aaccccgact tcggcaaag 359

<210> 8536
<211> 101
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f11b1

<400> 8536

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tagtctaggg tttccgtaga gaggaaggga gagggagatc c 101

<210> 8537
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047f12b1

<400> 8537

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ggagaagact cacatcaaca tcgtggtcat tggccatgtc gactccggca agtcgaccac 120

cactggccat tc 132

<210> 8538

<211> 87
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g01b1

<400> 8538

aagaaacaag caacgaagtt tctgtttcga gcaaggagtg gtagagattt caaaccagag 60

gttgctagtt aacccgagag ttgagga 87

<210> 8539
<211> 106
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g02b1

<400> 8539

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cggagcacgc aatggagcct gtggccgtcg tggcggtgcc gttccc 106

<210> 8540
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g03b1

<400> 8540

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agatgaattt cttcgaccca tcgaggaaag aggacttcct gttcatctct ggcacaaaga 120

tgcgtagcct tgccaagaac cgtgagagcc caccagatgg ttttatgtgc ccgggtggct 180

ggaaggtcct cgtcgagtac tacgacagct tggcaccacc agaaggcagc agcaaaccgc 240

gagaggcggt tgcggcttag aagccgtggc gttgattctc gtatcatgaa ccaatgatat 300

atgattgtat at 312

<210> 8541
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g04b1

<400> 8541

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tccgatcccg gcgagatggc caacccgagg gtgttcttcg acatgaccgt cggcggcgcg 120

ccggccgggc gcatcgtgat ggagctgtac aaggacgcgg tgccgtggac ggtggagaac 180

t 181

<210> 8542
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g05b1

<400> 8542

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acccgcctcg ccattgctgc tattggcaag ctgatgtttg cgcagttctc ggagctcgtg 120

aacgacttct acaacaatgg cctgccttcc aacctgtccg gtgggcgcaa cccgagcttg 180

gactatggtt tcaagggcgc cgagatcgcc atggcctcgt actgctctga gctgcagttc 240

ttgggcaacc cggtgactaa ccatgtccag agcgcggagc agcacaacca ggatgtgaac 300

tcacttggtc tgatctcatc caggaagacc gccgaggcta ttgacatctt gaagatcatg 360

t 361

<210> 8543
<211> 77
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g06b1

<400> 8543

cattcaatca tatctcttgg gagagacaac actgtcttgg gagaatagca gcgctcaaat 60

tgtggatttg gtttcaa 77

<210> 8544
<211> 281
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g08b1

<400> 8544

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caccaatctc tctggcctgc ttcacgataa tcgaccagtt ctctagtctt actccctctg 120

ttcctctctg ctctgctttc tgactcaaac tgcaacaatg gctgccccga cctctgcaat 180

cgggttcgag ggctactaga agcgcctcga gatcaccttc tccgaggcat cgatctttgc 240

cgaccctcat ggtcgtggcc tgcgcgccct ctctagggcc c 281

<210> 8545
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g09b1

<400> 8545

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gaaggctcct gagctcctga agaaggccgt agcgatgtgc aagagcaaga ccaccaggct 120

cctcatcctc gcctcgctcc agcgccgcag gatgtccatg ggcgttgtgg tctctcgcaa 180

gatcggcgcg ctcattgtgg ccgactggga gagagcggac cgccacaagg ctctcgcgct 240

acaaacggtg gagaagagac cggtaatcat ccaggagagt gacttggagg ccaatttctc 300

tcgtcacttg gcgatgttcg gtcaagagaa tggtcatggt g 341

<210> 8546
<211> 57
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g10b1

<400> 8546

tcctcctcgg tcctcgcccc catccaaatc ccccgccgcc cccctcgcgg aggagga 57

<210> 8547
<211> 206
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g11b1

<400> 8547

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aaggaggtcc atctggccga cattgggttc tggatccaat tgatgggact aaaggtttct 120

tgagaggagg ccaatatgca atcgcactgg cactgcttga tgagggcaaa gttgttttgg 180

gcgtgttggg atgtccaaat cttcct 206

<210> 8548
<211> 142
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047g12b1

<400> 8548

ctcgcctacg cgtccgggga gcagccgcag ccatgggtcg cgtccgcacc aagaccgtga 60

agaagacctc ccgccaggtc atcgagaagt actactctcg gatgaccctc gacttccaca 120

ccaacaagaa ggtgctagag ga 142

<210> 8549
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h02b1

<400> 8549

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ttgaggtatt attatccagc aatgtgcttg aatcagcagg atgaaaattc ttctcttctg 120

cattatattc agattcatca ggatgatctc aaacaaaatg tcctacttca gttgcttgct 180

gttgtagcta agcaaccggc ttttcaccaa ttacgttcgg tcgagcaact tggttacata 240

gcactgctta gacagagaaa tgattcagga gtccgcgggt tgcaatttat aatccagtca 300

accgtgaagg atccatccaa tctggatgcc ag 332

<210> 8550

<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h03b1

<400> 8550

ggaccacttc tctgtttttc acgttgcatt gaagcgtacc aaattccatc gcttacaggt 60

ggtgtatacg cattgatcac atatctgtat ataatgaaac tatttatgtc tagctactaa 120

ccatttggcg gacgcagctt acttattcat aatcatcagg agcctgtcat cagcaggatc 180

cgggggcgaa gccgacggtc ttcttgccaa ggtcgtagag cacgcccgag gtcttctgct 240

gcgtgttccc gatgatgg 258

<210> 8551
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h04b1

<400> 8551

ccatcgcgtc cgcagagggg ggcagccaag atccaaatct tctgtagcga cttgatccga 60

tctccagccg acgccggcga ccatggctcg ccgtcaccac ctcctcctcc tcctccctct 120

cctcgcgctc gccttctcct tcgtcgccgc cgcccctgag ggacagggag atgccgccgc 180

cttcatcgac ggcgcgtcgc accgctacct gcgggatcag cagggcgacc aggccacgtc 240

gatgtcactt gatgaagttt ccgcagctgt ttctgtcttg cttgggtttg caccacctgc 300

catgcttccc gcgccttctt ctgcaaagtt aaacgagctg ctac 344

<210> 8552
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h05b1

<400> 8552

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ctagctgatt aagcttatta cgctctgtcc taccagcagc tagcacataa aaatatctcc 120

aagaaagagc ggaaatcgca gcagcagcag cagcagcacc atcgtgctca gcttagtagc 180

agtagcactg ctatctcttt caggctttca gctaagcggg agagctcgct cgctagctga 240

gggagtgccg cgcgccatta atggcggagg cggaagggca gctcgcggcc tgctggggga 300

agcaggacga cgagtggagg aaaggcccgt ggacaaccca ggaggacaag ctgctcctcg 360

accatgtcgc ccagcacg 378

<210> 8553
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h06b1

<400> 8553

cccacgctcc cgaaacagat ctgctctctc cctctctttc tctctcgtcc gcggcgatac 60

gatccgagat ggccatgagg gcgtggag 88

<210> 8554
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h07b1

<400> 8554

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ccagctcgtc gacgaccatg gcgttgccga gctcgtcatg ggcgccaccg ctgaccgcgg 120

atacaccagg aagttgcgga cgccgaagtc taagaaggcg gtgacggcgc atcggaaggc 180

caacccctgc tgcaggatct g 201

<210> 8555
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h08b1

<400> 8555

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gacctgatct cggattcacc gcagcgcgac caaaccctca ggcgatcccc ggcacctcct 120

ccccgacgct tcagccatgg caggaatggc accggaaggt tcccagtttg acgctaagaa 180

ctatgattct aagatgcagg agctgctgaa ccaaggtgag actgaggagt tcttcacctc 240

ttatgatgaa gttcatgaga gctttgatga catgggtctc caagagaacc tcctcagagg 300

aatttatgct tatggttttg agaa 324

<210> 8556
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189047h09b1

<400> 8556

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cgatggcgag gacggtggtg gtggccttgc tgctgacgca attctgcgac gtggttctgg 180

cggtgaggct gctggagggg gg 202

<210> 8557
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a01b1

<400> 8557

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acgtggcgcc gttcctcccg gcgaccatga tcacgcacgt cctggcggga gacgacgtcc 120

tgtcaagctc tcccggggcc gcctactcgc tggtccccgc catgctgaac cttcacgcc 179

<210> 8558
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a02b1

<400> 8558

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gtcaatctct acctcagata caagccgccc atagaggagc tggagcagtt cctggagttc 180

caggtgccgc ggcagtgggc gccggagttc ggcgagctgc cgctggctct cggcccgcag 240

aggaagaaga agaaggacag cctgccgtcg ctccagttca cgctcatggg gcccaagctc 300

cgggtcaaca cggccaaggt ggactccg 328

<210> 8559
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a03b1

<400> 8559

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tcggcaaata gtgcctcgtg ttcgcggcct ttatgggatg gacatttata agaataaggt 120

cttagaattc ttacaaagtg aacgatctga tgagtctata tttggattat ggggcacgtc 180

gggtgttggc aagacacggc ttctttcact catcgctgat agctttgccg attcatttca 240

tcacgtcata tttcttgatg gtggtagtag cgtcagagtt atgcaaaatc atttcgcata 300

ctttttgaaa ttggattggg agacaatctc attgttggag gagcattacc gagc 354

<210> 8560
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a05b1

<400> 8560

gaaaaggact tatagtgtcc gatgttcctt atgccgagac atgtccattc agaaatgaag 60

ccatcaagaa taacctagag cttgtgctac ttacaacacc agccacacca gcagagagaa 120

tgaagaaaat cactagcgct tcagaagggt ttgtatacct tgtaagtgtc aatggagtta 180

caggtccacg accaaatgtg aacccgcgtg tcaaagatct tcttaaggag a 231

<210> 8561

<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a06b1

<400> 8561

tttccttgcg tccggtataa tattcacgtg aactgttcaa gccttgcaga tcctcccact 60

gattactacc ttgtctctga atctacacaa ctgggcataa tcatgcctgc ttgtcactcg 120

gtaaacggcc ctctcgagga ctacatctcc cacattgtcg agtggctgtc tcgaccacat 180

gtgctggcca taataatagc atgggctgtg acctttaccg ctgattgctc tttgatcctt 240

tgcttggg 248

<210> 8562
<211> 179
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a07b1

<400> 8562

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tgatgccgcg gggtcgtggt atgggccctc ggcggccggc cttggccggc tggccgcgga 120

gagccggacg ccggccatgg tcgccgcgct atacgggagc acggccgtgc tggcgcacg 179

<210> 8563
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a09b1

<400> 8563

ttcgtctggc accgcacgac agacagcacg aggaaggcga gccaaccacc accgccgcga 60

gactagcacc acgagcgagc tcggccgatt ccgattccgt ctgcgctatt aaggtttgtt 120

tggaggaagg ggag 134

<210> 8564
<211> 219
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a10b1

<400> 8564

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ttgttggcgt ccatggcgcc ctaggacata aggtgctcag gtggttcatg gacgaccata 120

aatgcgacac tgttaaaatc atctccatgg ttggacccgt tggggtgggg aagacagcta 180

ttgccatgga ggtctaccgc agactccaaa gtagaggag 219

<210> 8565
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048a12b1

<400> 8565

tgtggagcag gagcaagaag aacctgggca gcaggagcag gaccgagatg aacggcatgt 60

acccttctca gcgtttcagc aacgtgatag tcggctacct caacctggtc acgctactgg 120

cctccatccc gggcatcggg gcggggactt tgctggccaa gggcttcacg acgacatgct 180

gctccatgct gcag 194

<210> 8566
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b01b1

<400> 8566

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accaaccggc gcgaccgaat caaaccgcgc aaccgtgcgc gcgactcctc gtgggggccg 120

ggcgggcgcg atgcccctgg acgg 144

<210> 8567
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b04b1

<400> 8567

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gtcagcccaa acatggactc aagcaggcgc ccgagtggaa tccagcaatt gcttgctgca 120

gagcaagaag ctcagcaaat tgtaaatgct gctagggctg ctaaaacggc gaggcttagg 180

caagccaaag aagaggctga gagagaaata gctgagtacc gtgcacaaat ggaggctgat 240

ttccagagga agctcaccga gaccagcggt gactctggcg caaacgtcaa acgccttgag 300

caagagacaa acgtaaagat tgagcagctc aagcagcagg cagcaaacat ctctccagag 360

gtgattcaga tgcttctgag gcacgtcacc actgtgaaga actaaaggtt gatgagtcag 420

ccctgcatat gatggcaact ttgtactatc t 451

<210> 8568
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b05b1

<400> 8568

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cagcaattga agacgactcg tgcaggaggg cgggctcgat accgttcaag tgggaggtct 120

gtcctgggac gccgaagcac acgaggagcg cgagcgccgc ggcggcggtg gcggcatcgc 180

ctgccaaggt ggcgcccaag ctgacgctga cgccgcctcc ctccatggcg tcctcgccat 240

cgccgtatta ccaccactcg gcgggcttcg tcgcctcgtg tcacctccgc 290

<210> 8569
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b06b1

<400> 8569

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cggtcgactc agaactcttc accaatggcc gccgtccagg tccaagccgc aacccacgcc 120

attcccgtcg aggaggctcc ggcgccggcg gcggtggagg ctgtcgagac ggccgcggtg 180

gcggtggagg ctgtcgagcc ggccgtcgtc gttgtcgagg agactacggt ggcagcggtg 240

gagattgtcg agccggctgt cgccacagtc gaggtggcag cggtggaggc tgtcgagccg 300

gccgttgtcg ctccccagga ggccgtgaag gaggaagctg ctgcaccggc cgtgaccg 358

<210> 8570
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b07b1

<400> 8570

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tatcagcaac aaagatgaag attggaaaga ctacagagat cctgaagaaa gcggcggcga 180

tgtgcaagag caagaccacc aggctcctca tcctcgcctc gctccagcgt cgcaggatgg 240

ccgctgccgc cgtggtctct cacaagatcc acacgcgcat tgtggctgac cgaaatagag 300

tggactgcca caagcctctc gcgctgcgaa ccatcgagaa gagaccggtg atcgtccatg 360

ggggtgact 369

<210> 8571
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b09b1

<400> 8571

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ggatgaacca tccaaacatt gtgaagctca aggaggtcat aagagagaat gatatgctgt 120

tctttgtttt tgaatacatg gaatgcaatc tctatcagct gatgaagagc aagggcaagc 180

ctttttcgga gactgaaatc cggaactggt gctttcaaat atttcaagct cttagtcaca 240

tgcatcaacg tggatacttt catcgtgacc ttaagcctga aaatctgcta gttacaaagg 300

agctcatcaa ggtagctgat tttgggcttg ctcgtgagat tatttctgaa ccaccataca 360

cagaatatgt gtcaactcgc 380

<210> 8572
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b10b1

<400> 8572

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cccgccgcgg cggcggcgtg caggagcaca tcgtcaagga gacgttc 167

<210> 8573
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b11b1

<400> 8573

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actctgttta gaacagatga caatctgatc cggtcctctt tcaagcctcc aactgctgcg 120

tgcgttggac tctatcaggt tgtgatcttc ggaaaagtag ctaccaaatc tgatcttagg 180

tgtatggaga aattattaca cctgaggtac ctagggctac tagatacacg ggttgatgct 240

ctccccattg aaataggaaa acttcaatct ttgcaaacat tggacttcag gacaagtaaa 300

tctttggagg caccatcaag tgttgttcgg ctaggaaagc tgatgtgcct atatgttaat 360

gagaacatga ggttaccggt tgtgatagac aact 394

<210> 8574
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048b12b1

<400> 8574

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aaaaaagaaa aaaaaagggg cgcc 84

<210> 8575
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c02b1

<400> 8575

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tagcacactc gtggtcatcc tggttctcca ggccgtcctg gtcatgggga tcctctcaca 120

ggccaacgcc gagttcccaa agtgctgcga cagctgcagg ttcttctcgg gggccgtggt 180

ctgcgacgac tcctgcccca agtgccgcga cggctgcgtg aactgccgcg 230

<210> 8576
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c03b1

<400> 8576

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gccaccggtg ggaagcagaa ggcttggagg aagaagcgaa agtatgagct cggccgccag 180

ccagccaaca ctaagctttc aagcaacaag acagtgagga gggtccgtgt tcgcggaggt 240

aacgtgaagt ggagggctct ccgtcttgac actggtaact tctcatgggg tagtgaggct 300

gtgacccgca agacccgtct ctggatgtgg tttacaattc 340

<210> 8577
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c04b1

<400> 8577

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gagacatggt gcgcgggaag ctggaggtgc tgctcgtcta cgccaagggc ctcgacgact 120

ccgatttctt caatagcatg gacccgtacg tgatcctcac ctgccgcagc cacgagcaga 180

aaagcaccgt cgcatcagga gcagggagcg agcctgagtg gaacgagacc t 231

<210> 8578
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c05b1

<400> 8578

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ttgattgctc attttatatt aagacgggca gctgcatgta tggtagaaca tgtcggttca 120

accatcctgg acgacatatt caagcatctg ttgtccctgg cgagatgcta aatccagctg 180

cgaaattcct gccgagtttt gattttcgcg tgacacatgt gccgattgaa cctgagccaa 240

tcacctaccc tcagaggcct ggagaaactg tttgtgattt gatcgctctg cacctgattc 300

cattgcaaag tgggagccgt ctcagcaacc tgtgacgctt actgttgctg gctttccaag 360

gagagaggat gc 372

<210> 8579
<211> 89
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c06b1

<400> 8579

tcgaatgggc tctcgacttg ctcccagagc cggagccgac ccgagccgag acctgcctct 60

cctgctgccc gaacacccat ggggtcggg 89

<210> 8580
<211> 52
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c08b1

<400> 8580

ttcccacgcg tccgggggat ttgaggtttc aagggaattg gatggaagag gg 52

<210> 8581
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c09b1

<400> 8581

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gccactaata ccatcgctcc atcgccaact ccgctagcct gctaaggaga ctcaatgccg 120

tccctggcga aagctgcggc gtccatggat cacgcggtgg ag 162

<210> 8582
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c10b1

<400> 8582

cggacgcgtg ggttccgata cgcctctcca gggcgcgatt ttttccgtcc cctctggcgc 60

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agaggcttcc tcctccacgt cctcctcatg ctacgatgcc ttcgtgccgg tgttccgccc 180

agatccctcg gcctcctccc tatccgtgtc ggcggccgac cgcgtccgga gccagttcct 240

ctccgtggag cgcgacctct tccacgacgc actcgtcgcg cccaggaatg acgacctcgg 300

cttccccgag gagaacg 317

<210> 8583
<211> 158
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c11b1

<400> 8583

tgcggacgcg tgggagagta cgtatgtaga ctgtttaatc atttttaatg ttctttttat 60

tgttaatctc tttctttctt tcttggcgag ttctttcatg gcttatggct tgtattcgtt 120

ttgtacgatc tgcatgatga ataaagtttt tccttact 158

<210> 8584
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048c12b1

<400> 8584

tgcggacgcg tggggtggtg ctcttgggag gcccatatta caaggcctcg gtcagtgctc 60

ttgatgcaac ttgatggatc ccatgactat gttgattgct tcatatctga tgccggcagt 120

atttacaaaa ccaagattga 140

<210> 8585
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d01b1

<400> 8585

tgctaggtcg aagacaagat agtctccgtg ctcatccatc atcttccatg gcgccgctgc 60

acttcctggt cgtcgcgttc ccgggccagg gccacatcaa cccggcgcgc gctctggctg 120

agcgcctcgc gcgggccacg ccgggcgcgc gggtcacgct ct 162

<210> 8586
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d02b1

<400> 8586

tgccctcgcg tccggccaga cctggaggag cattactgcg ggatgtacgt gggcaatggc 60

tacgcgaagc gtgcgtacat gctaggcccc gtgtcactac gaccgccgtc gtcaccggaa 120

gccgacgact cacggtacac cgactggctt gactcgaagc caagccggtc ggtggtgtac 180

gtgtgcttcg gcagcctcgc ccacgtctcc gacgctcagc tggacgagct cgctctcggg 240

cttgaggcct cagggatggc gttcctgtgg 270

<210> 8587
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d03b1

<400> 8587

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ttctgttaaa ggagcaagga gctaggggat tcttcagggg atgggtgcct accttgcttg 120

gttacagtgc tcaggggget tgcaagtttg ggttctacga gttctttaag aagacctact 180

cagatatggc tgggcctgag aatgctgtga agtacaagac cctgatttac cttgcagggt 240

cagcttctgc tgaggtaatt gctgatatcg ctctgtgccc ctttgaagct gtcaaggtcc 300

gcgtgcagac acag 314

<210> 8588
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d06b1

<400> 8588

tttaagtgat atgaggtact cagacctgaa gaagatcgac cgctgtgaca ggaggcactt 60

tcatgacgat attactgttg tagtactatt catggaccct gcgcttatca gcaggaggct 120

ctacggtggg ccgttgcttt cgctaagggg cggtggtggt acctcgacgt ttgcacagaa 180

atgctgatca tccatgacag atgctttctg gaaatatcct cctatatatc gttcatatct 240

tggcctggtg ctctccacac gacatgcaga cactgcgtat agcggtgcgt ggaggagccg 300

tattgttttg acttctaata tgcacagata gagagaga 338

<210> 8589
<211> 63
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d07b1

<400> 8589

tctcttgtgc tttgggcgat tccatccgag gcgagaagag gagaggagag cacatgagga 60

ggc 63

<210> 8590
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d08b1

<400> 8590

tgaatcgatc cttgcttctt cctcctgtct gctcacctgc aacctatcaa ccgccctccc 60

ctgcgctgcg gctaccctcc aagcaagctg cccatggcga ccaaaaccct agccctacga 120

tgtccggctc aggcgggccc tcaggccgcg gctcagcagg cggcactcgg agcttcgact 180

tcggcaccga cgacgtgctc tgttcctacg acgact 216

<210> 8591
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d09b1

<400> 8591

agccgtcctc cgcctccccg tgtcgctcgc tcccacctct cgccgccgcc gtcgtcgccc 60

gcgcagccgc aaaatgccgt tcaagaggtt cgtggagatc gggcgggtgg ccctggtgaa 120

ctacggcaag gactactggc gcctcgtcgt catcgtcgac gttgttgacc agaacagggc 180

acttgttgat gctccggaca tggtccgctg ccagatgaac ttcaagcggc tctctctgac 240

cgacatcaag attgacatca agcggatccc taagaaggca actttgatca aagcaatgga 300

ggaagctgat gtgatgacca agtgggaaaa cagctcatgg ggcaag 346

<210> 8592
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d10b1

<400> 8592

ttaaaccttt ctccttctgt cccgcaaacc cccgagagat cacagcatgt tcggcttcgg 60

tcaccacggc caccatggcc agaaccccccc ggcccacgct ccggccgccg ccggaggcaa 120

ccagcccacc ttcaagatct tctgcaaggc cgacgagggc tactgcctct ccgtccgtga 180

cggcaacgtc gtcctcgccc cgtccaaccc ccgtgacgag caccagcact ggttcaagga 240

catgcgcttc agcgcccaga tcaaggacga ggagggtaac cccgccttcg ccatcgtcaa 300

caaggccact ggcctcgccg tcaagcactc gctcggccag tcccacccgg tgaagctcgt 360

gccattcaac ccggagtacc tcgacgagtc cgtgatgtgg acggagagc 409

<210> 8593
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048d11b1

<400> 8593

tggattgcct ttgtggcctc cttggtagcc atcatccttg tccagacgga tattctggtc 60

aggcaccacg tgctggaggc agccatgata ctcgatctgt ttggcctcat cggcgcgtat 120

gccgccggga gctgccggga cgtgaacacc tccatttatg ccatagcttt ggcaggcgcc 180

gtcctggtct atgtggtgat ccatatcgtc ttcttcacgc tggacca 227

<210> 8594
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e01b1

<400> 8594

tgctcttcgc acgcagctcg ctcgaccaga acacctcgga gcagcagcag cggcggccgg 60

cggagaccgt gtcatggcga tggagggcta cgaccgcgag ttctggcagt tcggcgacca 120

gctgcgcctc cagacg 136

<210> 8595
<211> 164
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189048e02b1

<400> 8595

ttttnctgct tcccctcccc tcgggcagcc cagtcgtcgt cgcgaccgag gaccagacac 60

cagacgcggg cggggagctc gaggcggcct gcgggacagc agcatcggcg gcggcgagtc 120

ggggcagggc cagcagcgat ggggttcgtc tccttcgtcg ggag 164

<210> 8596
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e03b1

<400> 8596

tttcatgtcc acaacacaca acgaacccat ctcatccact ctttcaagca aggcaagaga 60

gatcgagcga gcaatggctc ccatgctcaa ggggatcgtg gaggacgcgc cgaagagggc 120

ggcgtacgtg accttcctcg ccggctccgg cgactactgg aagggcgtgg tgggcctggc 180

caagggcctc cgcgccgtca actccgccta cccactcgtg gtggccgtgc tccccgacgt 240

ccccgaggac caccgccgca agctgctcgc ccagggctgc ctcgtccgcg agatcgtgcc 300

cgtgtacccg ccggagagcc agacccagtt cgcca 335

<210> 8597
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e04b1

<400> 8597

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acatgcacca agaccaacat ggtcatggtt tttggtgaga tcaccaccaa ggccactgtt 120

gactatgaga agattgtgcg tgacacctgc cgcaacattg gcttcatctc tgatgatgtt 180

ggccttgatg ctgaccggtg caaggtgctt gtcaacatag agcagcagtc tcctgacatt 240

gcccagggtg tgcacggaca ttttaccaag cgccctgagg atattggtgc ttgtgaccag 300

ggtatcatgt ttg 313

<210> 8598
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e06b1

<400> 8598

gcttgcggtg cccttgtgag ccacactaga tgcctgttgt agtagacctc atctcaggac 60

tgctgcgaga tctccataca catgagccag gctagccata ctccggaccc cacaatggct 120

acggtcccga tcggatcaag catcctaagg actcccaaga gtaatccagg caagacattc 180

acaagtagaa acaggcttga aactccaaaa acatcttata acagaacaaa ccgcgctgag 240

ccgccctcag tgacacctgt gaacaagagt gctcgactgg ctcgaagagt atccctcccg 300

ctgtcgacat acgaaacgcc catcaagcgc agcatcagca ttcttgacca g 351

<210> 8599
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e07b1

<400> 8599

tgacgaatgt ctcatcaaga ggacgctgga tacaaatgtg gattttgact gtggcctgac 60

tgacagagcg attggatacc ctacagaaat cgtacctgtg ttatttgcat tacctcgcat 120

ggctggttgg ctagcacatt gctaggagcg acttgatgac cctgtccata aaatgatgag 180

gcctcaacag gtatacgcgg gcggttggct gaggcattac acccccgtga gggaacgagt 240

ggcatctaac cagggcgagg aacttggtca gatcgctaca tcgaacgcaa cgaggc 296

<210> 8600
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e08b1

<400> 8600

tcgctcgcaa cacggatggc ctagacgact ccaaagagtt tgttgcagca actgtccaca 60

tacatcagat ggctgagctg gactctgaaa ggtggggcct gcgctgccaa gctgctttaa 120

gcaaattcga tctggatggt gatggat 147

<210> 8601
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e09b1

<400> 8601

ttggtttgta ataggcacga gatggcccgt gtagcggagc aaaaactcca gcctagttgc 60

ctcggtgacg cgctgacggc gaggaacgat gccgacaacc tcaccgagct catcccgtcg 120

ctgcccgtcg agaagcggct agtgccgccg cccgccgaca tgcagaggcg acagcaccgt 180

gggtactggt tccccgagtg gcacctgtcg gccctggcgg cagtccgcga tcacttcgag 240

cccaagccaa cggacatctt cctcgtgagc tgccccaagt ctggcaccac atggcttaaa 300

tctctagcct tcgccactgt gcaccggcac gtccacccgt catccagcca ggagcaccct 360

ctgctccacc aaaacc 376

<210> 8602
<211> 52
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e10b1

<400> 8602

tgggccgccg aggctcctgg cggggttgat gccggtgccg gtgatgggga tg 52

<210> 8603
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e11b1

<400> 8603

ttcggacgcg tgggttatca ttcctgcaac caacaccgga tcaactagca gaggcactgc 60

gagctcgcca ggcttccaga gcgtacaggg tggccgatcg atcgatccac cggcaagcaa 120

tggcggcgac agggagcgct aagggcctcc ggttcgctgc agcgtgcggc gtcctcagcc 180

gctgcatcaa ggcggcggac gcgcggccgg cgcccacggt cgttctcccc ctcatgcccg 240

gagcggaagt gcccgcgcaa g 261

<210> 8604
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048e12b1

<400> 8604

tgcatggacc tcttgaggaa gcgcatggag ccagaggaga agtgcctgag ggatgccaag 60

atggacaaga gcactatcca tgatgttgtg cttgctggcg gtcccaccag aatccccata 120

gttcatcagc tgctgcagga cttcttcaac gggaaggagc tctgcaagag catcaaccct 180

gatgaagctg tggcctacgg tgctgccgct caggctgcaa tcctcag 227

<210> 8605
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f01b1

<400> 8605

ggagcctgac acgagggccc tcaactaatt gcgagtggat tgatggctca cgggtgaact 60

ctgaagtgga gcctaaactg aggagtctcc tactcgagat gggaagcgac aaaattttgg 120

gactacaagt atgtgcatac aaagacggaa aggtcataat agacaccgct gctggtacat 180

tagggaaat 189

<210> 8606
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f02b1

<400> 8606

ccttcaactc ccctccccac cttctccctc cgcctcgcct tctctcgacg gtcgacgcta 60

tagcttttcc caaagtgcac gcgccatggc gagatcacga gacaccaggc tcaggctcag 120

gctcacgctc ctcctcgtca cccttcttct gctagtagac atggcaagcg tcagccatgg 180

ccgacggaca ccggacgtgg atgccatggc cctcgtcggt ggcggtccac caccggcgaa 240

ggcctactcc tccgagcagt cgtcttcgtc gacttcaagg gagcatacgg ctcgtgttta 300

tcggcgcatg caca 314

<210> 8607
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f04b1

<400> 8607

tgcgttcatg gggatggcgg actggttcag gaaggacttt gttggacctg tgccatcgcc 60

gttcgaggac gtgcatggcg cggccatctt cgaggagagc atgacgctcc tggacccgga 120

gatggatcag ctgatccacg acgccgtcgc tgctcacgac cacatgggga tcggccccgt 180

gctccggcag tgccgtgagc tcttcgaggg gcttga 216

<210> 8608
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f08b1

<400> 8608

tgcacaacga gccacacaaa acaaacacac acgagcatta gttagcttgg gtgctccagc 60

aatggcagtg acggtggaga tcacgcagag aacggtgctc gagccctcac gggactcggc 120

ccgcggcggc ggcaagaagg tccctctcac cgtcttcgac cgcgcctcca cggacggcta 180

catcccggcc gtcttcgcgt ggaacgcacc ggcgccgacc aacgacgcgc tcaaggccgg 240

<210> 8609
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f09b1

<400> 8609

ttgttttatg ggggtccctc accgttgacc gttcccttca actaaaatag ttccacatgt 60

gtactgtttt tagataacat ggaaaataac attttatgta ccaagcaata ttgctttgct 120

gtcacaaatt aaagatcatt tcacgtt 147

<210> 8610
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f10b1

<400> 8610

ttcccacgcg tccgcggacg cgtgggggcc ggcccagcta aactccccac ctgacaatgt 60

cttccgaccg gatcg 75

<210> 8611
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f11b1

<400> 8611

ttcgtttgac cagaagaaga tggagacgag ccggcgcggc gggttcgcgg acgaggccct 60

ggcgcccacc gagtcggaca tcgacgagac cttccagcgg atggtgggcg ggctgggcaa 120

gacgccccag gaggtgttcg acgcgctcag ggcgcagacc acggacctcg tcttcaccgt 180

gcaccccacc cagtccatcc ggcggtcgct cctggagaag cacgccagca tccggacgtg 240

cctcacgcag ctgtgcgtgg agggcgtgtc cgagaacgag aagcaggaga tcgacgaggc 300

cctgc 305

<210> 8612
<211> 124
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048f12b1

<400> 8612

tgctttatct gcgagttttt ccgtgatgcc caagagaagg ttcttccgta tgcggactat 60

atctttggaa atgaaactga ggcaaggatc ttctctaaag tccgagggtg ggagactgag 120

aatg 124

<210> 8613
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g01b1

<400> 8613

aagcagagcc tcccctggcc actgttacgc tccaagctcg ctaggcttcg agagcgtaca 60

gggcgaccga tcgatcgagc gagcgagcga gcggctagca cggcggcgac agggagcgct 120

aagagccgac ggttcg 136

<210> 8614
<211> 217
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g03b1

<400> 8614

tctgttggga acatttctca acttgcaaag gtgaagatca tgaaaagacc tggtgccaaa 60

tgggaagagc ttaaaatccc cagcagtatt cgatcaatta tctgtctcaa tttgccaagt 120

ttctcgggag gattcaatcc ctggggaact cctggcacaa ggaagaaaca agacagagac 180

ctgactgcgc cttatgttga tgatggactc attgagg 217

<210> 8615
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g05b1

<400> 8615

ggatcaggct atgcgtgagg cacttggctt agctcccaag cgtagcagtc gaccaaaagg 60

caatcgttta gataagcatg aatatgctga gctaataaag aggggatcta ccgcagagga 120

tttgggagcc ggccatgctg aagcagcaca agtgcaagga ttaggtttat acaaggctcc 180

tcacaacgag gaagaaccaa gctctcttag tcctgaccct cctggaacgg agcctgagca 240

gattgacttt gcacctgcaa cgaagcagga agattctgaa gatgatggaa ggggaaaagg 300

cggcgcgaag acaggagagg ggacagagaa aaagagcgga ggcgtgataa gcactatgag 360

ggaaaagaga ggaagcgaga 380

<210> 8616
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g06b1

<400> 8616

tgcattctgt cctactgtcg catacacaca caagtgctag ctagctaatc gatcagccgg 60

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tccagcccgc cgctgacggc ggcgtcgaca cgtacgggta ctcgaccgag acggtggtga 180

ccgccaccgg caacgagggg gagtacgagc ggatcaccaa ggaggagaag caccacaagc 240

acaaggagca cctcggcgag atgggcg 267

<210> 8617
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g07b1

<400> 8617

aaaccgagga aagagagaga cggacaggat atactcgctg ctctgccgcc cccttcgcct 60

ttagttgatc tcgccatggc tgccaccgtc gccgtggaca acctgaaccc caaggtttta 120

aaatgtgagt atgctgtgcg tggagagatt gtcatccatg ctcagcgctt gcagcaacag 180

ctgcaaactc aaccaggatc tctacctttt gatgagatcc tctattgtaa cattgggaac 240

ccacaatctc ttggtcagca accagttaca ttcttcaggg aggttcttgc actttgtgat 300

catcc 305

<210> 8618
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048g10b1

<400> 8618

tgcccacgcg tccgcccacg cgtccggcca gctgtcagaa aaaataggca atctgaaatc 60

cctctcattc ctatcacttg ttaacaacaa tcttacaaat atcacaagta cacttccgat 120

acttgcaaga tccaagagtc tcaccaccct tcttattggg ctcaacttca tgaatgagac 180

catgccagac gatgacatca ttgtcagttt tgagaatctt caggttctag caataacaga 240

ttgctcactg ttggggaaag taccacattg gttatcaaag ctgacaaa 288

<210> 8619
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h02b1

<400> 8619

gctctctcat gtctatacgg ctatcttgaa gccggataac gaggtcagaa ttctggtcga 60

cggggaggag aagag 75

<210> 8620
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h04b1

<400> 8620

ttataatgta tatcaaaggt tatgggtgaa agaggctgca acgtgtcacc gcagcagtgc 60

gaggataagt tcaatgacct caacaagaga tacaaaaggc ttacggatat ccttggtcgt 120

ggtactgctt gcaatgttgt ggataatcca gcactccttg attgcatgaa taatctgtct 180

gataagatga aagaagatgc aaggaagata ttgaactcta agcatttatt ctatgagatg 240

atgtgttcct atcataacaa caaccgtgtg aatttacccg aagatcctgc acttcagcac 300

tcactacagg ttgctcttag atgtaaagag gagcatgatc cgaggaggga tg 352

<210> 8621
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h05b1

<400> 8621

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acaaaacggg ccaaagctta caatgcagaa catgcatgag gcaaaggggg ccaacacaga 120

aattagcacc catgggaata acgaggcccc aggtgtcgga accgttagta gcagtctgca 180

gaatgccgtg gcacaaaata actaccagag tatgctgaga agctcaagtg caaaccaggg 240

tttgcttcag caggaggcgt cacagaatgc cgcagcacta aacaattacc agagtatgct 300

tagaagctca agcgcaaacc agggtttgct tcagcaggag gcgtcccaga atgccgcagc 360

actaaacaat taccagaaca tgcttagaag ctcaagcgca aaccagct 408

<210> 8622
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h08b1

<400> 8622

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tgggcgactc cgacacacac tgccattttg ccacaaccct acagatacca taacaggacg 120

gataattcat tgggaccagg tggagatctt caggtgtatc tagagaacct tgctgctgca 180

gatgatgttc agcgttatgt acaggagcac ccttttggtc aacctttcat tactgagagt 240

gatccgaatt gggatt 256

<210> 8623
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h09b1

<400> 8623

ctccagcacc cgatcaagca gagcctcccc tccccactgt gacgctccaa gctcgttagg 60

cttcgagagc gtacagggcg accgatcgat cgagcgagcg agcgagcggc tagaatggcg 120

gcgacaggga gcgctaagag ccgacggttc gccgcagcgt gcggcgttct cagccgctgc 180

atcaaggcgg cggaggcgcg gctggtggct ctccccctca tgcccggagc ggaagtgccc 240

gcgctgcaag acgagcacgc ggtgggtcct 270

<210> 8624
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h10b1

<400> 8624

tgctgccatc caaacagccc ccaaatgcgc gcgcctctca catgccagac cgctgctgag 60

cctggccgac atggccaccg cctcgatcgc cgtccgctcg gccttcggtg tcgccctggc 120

cgccttgatc gcggagcgtg ccccccggc 149

<210> 8625
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h11b1

<400> 8625

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cctggttccc ctgcgcccta cacgttctcg cccacgttgc cgccgccagc tcctcccccc 120

ttcgccggag ctcctttctc cggcagtaga gatggtgaaa ggcgcagtcc gctatgagcc 180

tggaccggcg tttcaggaga gtggagagca gggcaagctt gaaataccag catctggctc 240

cacagaattt tggctaatac agcggcctgt aaaccatgta aatgcttctg attttaatgg 300

tcaagaagtt tctcttaata agcatcatga cgat 334

<210> 8626
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189048h12b1

<400> 8626

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gccgtcggcc accgccgtct gcaggatctc ctccttcctc cgctccctct gcacatctcc 120

gggggggcgag ggggtc 136

<210> 8627
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a01b1

<400> 8627

tcacgcgtcc ggcaactacc ccggctgaag ctccttctgc tggtggtgtc agctactctg 60

atgctggagg tgctggcact ggcggaggag gaggcgacgg tggaagtgga ggtggtaatg 120

gagctggagg tggaca 136

<210> 8628
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a02b1

<400> 8628

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gtcccctcgt cggcgcccga tctaagtcaa gatgagtcgt ggcgggagtg ctggtggtgg 120

tcaaagttct ctgggttacc tgtttggaga tggtgagcct gcaaagcccg ctgcagcacc 180

agctgcgaag cccgcacctg ctgag 205

<210> 8629
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a05b1

<400> 8629

taaccacatc gccggctgac ccatctctct ccctatctct ctgtctctct ctctctccca 60

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cgaggcgttt cgagggagcg agcgagcgat ttttagtatc tgcgaatggc gactcagcgg 180

ttctccaata tggtgatgga cgagccgagt ttcttccacc agtggcagtc ggacgcgacg 240

ctggagcagt acacggagca gcagatcgcc gtggccttcg ggcaggggga gatggaggcg 300

gc 302

<210> 8630
<211> 171
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a06b1

<400> 8630

tgctgctgct ggtgtcgctg gcggcggcgg cggacatgtc gatcgtgtcg tacggggagc 60

ggcgcgagga ggaggtgcgg cggatgtacg ccgagtggat gtccgagcac cgcaggacgt 120

acaacgccat cggcgaggag gagcgccgct tcgaggtctt cagggacaac c 171

<210> 8631
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a07b1

<400> 8631

tcggacccca aggtgctcac ggcgttcgcc aacacgggcg tggagttcat catctccgtg 60

ggcaatgaga acctgcagac catggccagc agccccggcg cggcgcggca gtgggtcgcg 120

cagcacgtgc agcccttcat cccggccaca cgcatcaccg gcatcatcgt cggcaacgag 180

gtgctgggca acaacgacac caccatggcg gccagcctcg tgccggccat gcaggcggtc 240

tacgacgcgc tcgccgcgct cgggctcagc ggccaggtga cggtctcgtc ggcgcactcg 300

gtgaacgtgc 310

<210> 8632
<211> 386

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a08b1

<400> 8632

tttaagacag gaagtacccg agaaatccaa ggattctcct ggtggaccat ggcaattcat 60

tggtctgttg cccctgtttg atcccccaag gcatgacagt gctgagacca tccgcaaggc 120

acttgttctt ggtgtcaacg tcaagatgat cacaggtgac caacttgcta ttggaaagga 180

gactggtagg aggcttggga tgggcacaaa catgtatcct tcttctgcat tgcttggcca 240

aagcaaggat ggttcacttg agtcacttcc tgttgatgag ctgattgaga aggctgatgg 300

atttgccgga gtcttccctg agcacaagta tgagattgtg aagaggctgc aagagaagaa 360

gcacattgtt ggtatgactg gagatg 386

<210> 8633
<211> 434
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189049a09b1

<400> 8633

tttaaaactc acgtaatgta gattcactcc ctttgatgga gggtgaaggg cgtgctttaa 60

aagtttatgg attcaatcac gttcaacgaa cacaattcct acagacactc atgaggtatg 120

gttttcagaa ctatgattgg aaagagtatc ttcctcgttt gaaggggaaa agtgtcgagg 180

aaattcagag atatggtgag cttgtcatgg cccatcttgt agaggacaca aatgactcac 240

caacctatgc agatggtgtg ccgaaggaaa tgcgtgctga tgagacattg gtcaggctag 300

ccaaaatatc acttgtggag gagaaggtgg ctgccatgga gcaaggaaaa attacaaaac 360

tcttccccaa ctacttgttg catgaatnta ctggcttatc aggtggaaga atatggaaag 420

gggaacatga tcta 434

<210> 8634
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a10b1

<400> 8634

tagtgggcca gtaatagcgt ctactatctt ttaagtctct ggtcaaggct ggtgacatct 60

gtgccttact tgaaaggcga tacaccaagt ctgcttgatg aaactgtacc caaaattacg 120

gagggtttta tcacttctag aattaattct gtccaggcca gctttgcgga caactcacca 180

gacccagata atccgttaga aaatgcggaa agtctccagg atcagctgga gagtcttcct 240

tatctttgca gattcaagta tgaaagctgt agcctc 276

<210> 8635
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049a12b1

<400> 8635

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caccggcatg gcagtcgtta caatcgtgtt tgctgctctg ggttttctct cacctgcttc 120

caggggaatg ctcttgaccg gaatgatcat cctctacctc ttccttggaa ttattgctgg 180

atatgttggt gtccgtctct ggaggaccat caaacaatcc acagaaggct ggaaatctgt 240

cgcttggctg acctcctgct tcttccctgg cattgttttc atcatcttga ccgtgctgaa 300

ctccatcctg tggggtaaga agagcactgg agctttaccc atttc 345

<210> 8636
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b01b1

<400> 8636

tacgcgtccg ccacgcgtcc gcggacgcgt gggcggacgc gtgggggcga cccctcagat 60

ctaccgcaaa accctcctcc ccgtgctcct cctgctcgcc gccgcggcgc tctacccagc 120

cgccgccgac ggcgacgagg tgctcgccct cacggagtcc accttcgaga aggaggtcgg 180

ccaggatcgt ggcgcgctcg tcgagttcta cgctccctgg tgtggccact gcaagaagct 240

tgctccagaa tatgagaagc ttgctgcaag ctttaaaaaa gctaaatcag tcttgattgc 300

caaggctgac tgcgatgagc acaagagtgt gtgcagcaag tatggagttt ctggctaccc 360

cacaatcca 369

<210> 8637
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b02b1

<400> 8637

tggacacgag tatcagggag gaagacgagg aaacgttgat ggccggcggt gaagagctga 60

agctgctggg gtggtgggcg cccggggtga gtccctacgt gctgcgcgcc cagatggcgc 120

tcgccgtaaa ggggctgagc tacgactacc tccccgagga ccgctggtcc acgagcgacc 180

tcctcatcgc gtccaacccc gtgtacaaga aggtgcccgt cctcattcac aacggcaggc 240

ccgtctgcga gtcgctgctc atcctggagt acctcgac 278

<210> 8638
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b03b1

<400> 8638

ttgaacgccc ttgccaaggc attggctggt caaaaggatg aggcttactt ctctgcaaat 60

gctgctgctc tggcctcaag aaggtcgtca ccacgtgtca caaatgagga ggtccagaag 120

gctgccaccg ccctcaaggg ctctgatcac cgccgtgcta ccaccgttag cgctaggttg 180

gatgcgcagc aaaagaagct caaccttccg atccttccca cgaccaccat tggttcattc 240

ccacagacag tggagctcag gagagtccgc cgtgagtaca aggcaaagaa gatctctgag 300

gaggagtaca ccaatgccat caaggaggag attag 335

<210> 8639
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b04b1

<400> 8639

cgtcctttta cgcgtccgga tccagaccat gcaagttgaa acaactgaaa agaatgaagc 60

acttacaagc aagatgcagg agcatgcaaa cttagtccat gaaaaagatc agttggagca 120

acaattgctg gaagttagga aggaactgga ggctgcttac cgtaccatcg ctaaccagga 180

agagcaagct tcagtgaggg agataaagtg ggatgcgttt aagacgtatt cagcggatca 240

actagaagct gcacaaaaac acgctgcaga gctggaagta caagtatcag ctctaaatca 300

gcagctgcaa gaagctgaga tccattacaa gaaaaaggtt gcaaaggaga gtg 353

<210> 8640
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b06b1

<400> 8640

tggacgcgtg ggcgcggccc tgccgtatcc cccagccgtc tccgccgacg ccgccatctt 60

cgtcattagt ttgaagactg atggattatg ataactctag aagacacaat caaagtactt 120

ccaaaaagag gactcgtttc aattctgatg atggaaagag gaaacggcta aactacaggc 180

aggatggcgg acatatgtcc tctcagccaa tagaaaccgt ttacaggata ttgtgcccag 240

gaaaaaagat cggcggtgtc ttggggagag gtggccatgt tgctaaggcc cttagagacg 300

agactaaagc aaagatacgg g 321

<210> 8641
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b07b1

<400> 8641

ttctgcccaa agcgtgtctt tgaaacatta gcgtcgccta caaagacaat aaagaacatg 60

ttgactgtcc ctagttcccc ttcatcacct gtcaatggtg gctcagttaa ggtagtgcag 120

atgacaccag tgacttctgc catgacaact gctaagtggc ttcgtggggt gatatcttcg 180

ctgccagaga agccttcgtc taaacttgag aaatttcttt cgtcttgtga tacagatttg 240

acaagtgatg taacaaaaag gggcagcata atttt 275

<210> 8642
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b08b1

<400> 8642

gtcgactagt actacccctg gcctccggct ggatgcactg catccagccc tccctttccc 60

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cagcgatcgt agaagtcccg gtcggcgctg gagcactgcc gatgtgcata ccaagcttga 180

tgcccaggaa aagatgctag ctgatgtgcc atcggcttca ccaggatttg tagattgcca 240

gatctgatct gattcagcga gaattctgag ctaccaaagc tgcttcgact caaagctcta 300

ccactgccct atcttgcact ttaagaagac tcgatcgtca cggaaagagc agacagaggt 360

atcaaattcc atgctagctc ctcatgttct tgagcgcaag aaatgagtct tccgagtcgg 420

aggacatcca agaactgatc aacagtggcc tcaagtgc 458

<210> 8643
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b09b1

<400> 8643

tccacgcgtc cgcacccgtc tccacccaga taaccacgag agatatttcg tccgccccga 60

cgaccgacga acggcagaga aaagtgaggt gatcatgagc accatggcga tgtcggcgct 120

gaacccggac gcgcccatgt tcatcccggc ggcgttcaag aaggtggagg actactcgcc 180

cgagtggtgg gagctggtca agaccaccgc ctggttccgc gaccactggt tccgccagca 240

ccagctctac gaggacctcg ccgac 265

<210> 8644
<211> 344
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b10b1

<400> 8644

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cagcaacctg tcctccatgc acagttgact gaccaagctc tgagctagca tggccatgga 180

ggcggctctt gtcagcgtgg cgacgggggt cctcaaaccc gtcataggaa agctgaccac 240

tctgctcggc aatgagtaca agcgtttcaa gacagttcgc aaggagctca agtccctcac 300

tcatgaactt gctgccatgg aggcttttct cctcaagatg tctg 344

<210> 8645
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049b11b1

<400> 8645

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tctcactctt tgttcagcca cagttgatgg cgaaaagttc ctaattgcct ttggcggtta 180

caacgggaag tacaacaatg agatctttgt gatgaaaccc aagccaagaa actttgtgca 240

acctcgtctt ttccaatctc cagcagctgc tgctgctgca gcttctgtga aagctgccta 300

tgctgtaata actgctactg atgagaaaac taaagatatt gttgctactg atgatttg 358

<210> 8646
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c01b1

<400> 8646

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gttccactcc ctcgccatgg gcaagattaa gatcggaatc aacggtttcg gaaggatcgg 120

gaggctcgtc gccagggtcg ccctccagag cgacgatgtc gagctcgtcg ccgtcaacga 180

ccccttttatc accaccgagt acatgaccta catgttcaag tacgacaccg ttcacggcca 240

ctggaagcac agtgacatca agctcaagga cgacaagacg ctgctctttg gcgagaagcc 300

agttaccgtc ttcggcgtca ggaaccctga ggagatcccg tggggtg 347

<210> 8647
<211> 91
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189049c02b1

<400> 8647

atcacgccgt gcgccacgcc gcctcccccc aaaaaccttt cgaaaaccgc cgcgccaacc 60

gccacccagc ccgcccctna ccaccccccc c 91

<210> 8648
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c04b1

<400> 8648

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ccgccggcgc cgccaccgcc gccggcgccg ccgggggcgg ctgctgcatc aagatcctgc 120

cccgtccgcc agcccaacca gcaccccgac gacacacgca ccaacagatc aaccgcccca 180

aacagggcac gccgtcctcg gcttcaaggc caagcaggg 219

<210> 8649
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c05b1

<400> 8649

ttgaagaaca ggaagtacct tgctgctgct gtgcctgatg aagccgccca gatgctcctg 60

ctccagtcta tcgaggcgtt ctgtggcaag tgcagcgccg aggccctgaa ggagctgcct 120

gtcgtcctga aggccctcta cgacggagac gtcctcgagg aagagactat tgtgcagtgg 180

tacaatgagg ctgttgctgc cggcaaggac tcccagatcg tgaagaatgc caagcccgtc 240

gtggagtggc tccagagcgc tgagtctgac gaggagtgag accctgtact gcttgctccc 300

attccgcact tacttttac caccgctact tgcttaagtg tc 342

<210> 8650
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c06b1

<400> 8650

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cagttgtcca ggacacagaa cttggacagg tcattcaact ccagggtgat cagaggaaga 120

acgtctcaaa cttccttgtc caggccggca ttgtgaagaa ggaacacatc aagattcatg 180

gtttctgagc aactgccagc tccatatcag agtctacatg caaagcagct atatattggt 240

ggtgcagtat atttagttgt gtgctagcgc tagcaggcgt taccagcttg cgcgctctga 300

g 301

<210> 8651
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c07b1

<400> 8651

cgccaacaac aataaactaa accaattcat gatctgtcgg atctgcatta caaagggcac 60

aagtttttt tccaaagcca agagtagtgt tgctgttgtg cagactaaac caatgtcact 120

gcagttgctt attacgggta aattggagta aaaacgaaca aaaacaagga tccctcagca 180

ggagctggca cactcccgct cgtgagcaag tctcgggcga acagctgaaa acccaaaaaa 240

tttaacttgt acagggcggt ggtgacacct cgccatcaag cattctcgtt ggcgatcttc 300

tccgccttgg cgatgacttc gtcgatgcct ccaaccat 338

<210> 8652
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c08b1

<400> 8652

tgagcgccgc cgcttcccca cctctcatct ctgggcgaac ccgcaaggaa ctatattccc 60

agtgtgatat ccaaaaccag tcaagatggt gaagtttaca gcggaggagc tccgcggaat 120

tatggacaag aaaaataata ttcgtaacat gtctgttatt gctcatgtcg accacggcaa 180

gtctacgctt acggattccc ttgtggcagc tgctgggatt atcgcccagg aagttgctgg 240

ggatgttcgc atgactgata cccgtgcaga tgaggcagag cgtggtatta caatcaaatc 300

cacgggtatc tctcttttct atcagatgac tcctgaatca cttgagatgt acaagggcga 360

cagggatgga gatgaatacc tgatcaacct tattgattca cctggccacg ttgacttttc 420

ttcggaagtc acagctgctc ttcgtatcac tgat 454

<210> 8653
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c09b1

<400> 8653

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ggtgtacact ggctccgccg acaggcgcgt tcgtgtctgg gcgcccaggc ccgcgtccga 180

caagaccacc aaacgacaga gcaagaagcc ggtttactac ctggtggcca ccctctcccg 240

ccacacggcg gcggtgaacg ccgtggccgt cgggtgcggg gggcaggtgc tgtactccgg 300

cggcaacgat cgctgcgtgg tggcgtggga gcgggaggac agcgcgagcc acatggtcgc 360

gatcggggcg ctgcgggggc accgcaaggc ggtgctctcc atcgcgtgcg 410

<210> 8654
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c10b1

<400> 8654

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gttgctggga gtacagacag cagcccgcca tcgtccgcat caccaggccc acccgccccg 180

acagggcacg ccgtctcggc ttcaaggcca agcaggggta tgtggtctac cgtatccgtg 240

tgagacgtgg tggcaggaag cgcccagtgc ccaagggtat tgtttatggc aagcccaagc 300

accagggtat tacccaactt aagttccaga ggaacaagag gtctgttgcg gaggaaagag 360

ct 362

<210> 8655
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c11b1

<400> 8655

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agaaggcgga aaacatcaca gtttgcgaaa tcgtggagcg gtagagagag atggccgaga 180

cggtgttcgc tccgtgtttg gaagggatga agcatgtcag gtcggacagc ggggtcatgc 240

tcgccaagcc cttccttgat gtctgcaagc aaatcttgcc tgtcctggat aaatttggtg 300

ctgctatggc aattgtgaag agtgatattg gaggtaatat cac 343

<210> 8656
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049c12b1

<400> 8656

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ggagctatga cgaagatgac cagccagcca tatggtcctt gatgtcatcg gggagattgt 120

atacatgatt gatctgatca taacaagttg ggtgcctaat tcttgtccaa gctctaagag 180

gcttctgtct gtgttggtac atgtaacatg ttgtcggtta accaagagaa ttacttcaat 240

tgccttttc acagagggcg gaatgctgac ttgaccaaaa tgttagcaaa cataacaagc 300

tggcacccaa tagtgctttt aacagaacgg aaggaggaaa caggaactat ccctttacat 360

tttaacggaa ggaggaacgg aagga 385

<210> 8657
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d01b1

<400> 8657

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gaagggcctt acttctttaa catatctgta tataaagaag tgccaagaat tagctgtgtt 120

gccacaaagc ctagggcagc tcattaccct gcaagacatt tccatcatca attgtcccaa 180

cctgacaact ctgcctgaaa gcatgaaggg ccttacttct ttaacagagc tttggataga 240

ggagtgccaa ggcctagcta tgttgccaga atgcctagga cagatgattt ccctgcaaaa 300

aatttgcatc atcgattgcc ccaacctga 329

<210> 8658
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d02b1

<400> 8658

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cgaatatgtt gcatgccagg gatcaaaaaa aggagttttg atattgagtg agtttgccgg 180

tgcagcacaa tcgcttggtg ctggtgccat tcttgtaaat ccctggaata ttacagaagt 240

tgcagactca ataaaacatg ctttaacaat gacatctgat gagagagaga agcggcacag 300

gcataactac gcgcatgtaa caac 324

<210> 8659
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d03b1

<400> 8659

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cgtctcggct tcaaggccaa gcaggggtat gtggtctacc gtatccgtgt caggcgtggt 180

ggcaggaaga ggccagcgcc caagggtatt gtctatggta agcccaagca ccagggtatt 240

acccagctc 249

<210> 8660
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d04b1

<400> 8660

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gccctccaga gcgacgatgt cgagctcgtc gccgtcaacg acccccttcat caccaccgag 180

tacatgacct acatgttcaa gtacgacacc gttcacggcc actggaagca cagtgacatc 240

aagctcaagg acgacaagac tctgctcttt ggcgagaagc cagttaccgt cttcggcgtc 300

aggaaccctg aggagatccc gcggggtgag gctggtgccg attacgttgt ggagtccacc 360

ggtgtcttca ctgacaagga caa 383

<210> 8661
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d05b1

<400> 8661

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cttgcggagg ataggcactg gagggttcgc cttgcaataa ttgagtacat ccctctgctg 180

gctagtcagt taggtgttgg gttttttgat gacaagctgg gggcactttg catgcaatgg 240

ttggaagata aggttttctc gatcagagaa gctgccgcaa acaacttgaa gcgcctggcg 300

gaggagtttg gtccagagtg ggcaatgcaa catataattc ctcaggtgtt ggagaagata 360

aacaacccac attatctgta tcgcatgacc a 391

<210> 8662
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d06b1

<400> 8662

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acgctcacca tgctcgcgca ccccaacgtc gtccgcctcc acgaggttgc tgctagcaaa 180

acaaagatct atatggtgct tgagcttgtc gatggaggcg aacttttga caggattgca 240

ataaagagaa aactatctga acgagaagga aggaggcttt ttcagcagct aattgatggt 300

gtcagctatt gtcatggaaa gggtgtctac cacagggacc tcatgcctga aaacgttctt 360

atcgaccgga aaggcaacat caagatctct gattt 395

<210> 8663
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d07b1

<400> 8663

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ctggcaccat ggaaggattt caagaataaa acaggttatg gtggggattt tcctggaagc 180

acatctgaca agtgggagaa agctgatgtt ggactggtcc caccatatat gccaaatcct 240

tttatgatgg aaagtattgg tgcactacct ataaacatac caaacagtag ttcgatccag 300

cagaatgaat ttgcatcaag ttctcatgag aacattcttc ttcattgtgt cacagatggg 360

c 361

<210> 8664
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d08b1

<400> 8664

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ttcaactaag gatgtgaaga aaaaggaaaa agaactccaa gcgatggaag ccgagctaaa 120

caaaagagaa aaggaactga aaaggaagga agaggctgcg tcgcgagctg gcattgtcat 180

agaagacaaa aactggccac ccttttttccc tctcattcat cacaatattt caaatgagat 240

acccatccat ctacaaaaaa tgcagtacct tgcattttca tcatttttgg gaattgctct 300

ctgcctcttc tttaatatca tagcgactac aactgcatgg att 343

<210> 8665
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d09b1

<400> 8665

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ggccaccgcg tcgttccact ccacgcctcc cctgcagcgg aagcgcaaga cccagtggcg 180

gcacaggttc aatctttatg caaaacgcat gagaaataga gacacaaaat gaacaatgat 240

acggaatatg cctgagtatg cggagcagct cttcaatagt tggcgtgatg aagatgagaa 300

aa 302

<210> 8666
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d10b1

<400> 8666

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agctagcgca ggcgatacgg cgccttggtg aggcctacga gcgcgtggag acagcgaagc 120

tggagcaggc cgccgagatg gagcgccagc gtctggactt cgcacgggag cttgagtcgc 180

aacgcgtgca gttcttcctc aatacgcaga aggagctctc acagggcaag agccacatct 240

ctcccgctgc ggctgcctcc cactcccagg taggtgccgc cactgttggt ggctcatcta 300

ggaggatggc gtccgtacca gattccaca 329

<210> 8667
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d11b1

<400> 8667

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ggggaacgac attgtaagct tggttagttt gatgtcctac ggagaagcaa aattgggcgt 120

gcccaccgcc agaagattca tctttgtact ctcttctcca tttatcagtg caacgagagg 180

cagagttagt catggtgatg atcatattgt attcttatga tgcttgcaga ctgggagtgt 240

atttatactt catgcttatg agttatgatg aatcatttct atggcattac atacagtcag 300

tgggaaaagg tcattaggga ctagcatgtt tcactattgt gattacaaac taaaacttgt 360

gcaagtatga taaatgggtg cattgatct 389

<210> 8668
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049d12b1

<400> 8668

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cgcgctctgt gccaagcggc tggtgcgcga cagcgacgtc ttcatgtaca gaggggacac 180

gcccttctgc agcgaggagt gccgccacga gcagatgcag ctcgacgccg tctccgccag 240

gcaggccgcc cggaggctgc agcggttctc ggcgggagca gagtccgggc gtgcacgcca 300

tggggtgtcc gtctcgagct aaccggcgag agtgccaagc gacatacagt acgtgcctga 360

c 361

<210> 8669
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e01b1

<400> 8669

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caccggcagc agcgcatctt atccaagttt gcagatttcc cctacaaagg ccgaggtggg 120

acactctgct ccatcatcac aaccctgtgg atcaattgcc accagtcttt gggttgcaaa 180

atctggacag agccttctga agtttgacag tcacatcttc tcaactgtac attgccgtgc 240

aagatgccaa aaataaagaa cctgtctgat gcatgtaaag tatcattttc tccagatgga 300

cctatatctg aagaagcact cgagagagtt cgtgcactgt tagatgagat cagaccttta 360

gat 363

<210> 8670
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e02b1

<400> 8670

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aaagcttccc attcctccgc atcggcaggc agcagcaaaa caacagccca atcgagggtc 180

actccacacc accaccactc tcttccccca atcccctcct cctccccgaa accctagctg 240

gaatggagcc caaatccacc acccctccgc cgccgggccc cgtgctgggc gcgcccgtcg 300

gctacc 306

<210> 8671
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e03b1

<400> 8671

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ctcgccgcca acatgaccga ggtctgcgtc aaggccgccg tcggccaccc cgacacgctc 120

ggcgactgcc ccttctccca gagggtgctg ctcacgctgg aggagaagaa ggtgccctac 180

cagatgaagc tcatcgacgt cagcaacaag cccgactggc tcctgaagat caatccggag 240

ggcaaggtgc ctgtgtataa cg 262

<210> 8672
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e04b1

<400> 8672

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cagcgcagcc ggctgcggaa acgcgcaagg cgcagtcagc acgagacggc gggaggcggc 180

gagcagcggg gaaaatcgat gctcgtagag aggcggagcg gcatagaagc ggcaagccgg 240

cttgtggagt ggcgatgaag gcggcctgcg agctacggcg ggttgggcca aggcgaggtt 300

cagcaacgc 309

<210> 8673
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e05b1

<400> 8673

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cattgactac cagagacaag gacctactcg acacatcctc tggccctctg ttcatgctgc 180

caaggagaga ggagttgctt ggtccaactt gtttcggcct cagatctgct acggaaaact 240

tgttgagacc ctgttgtcca acggacttgt gtcggcctgc agaagtttgg tggaacgaaa 300

atgtacacct aaatgacagt gttgttcaag ttttcttttt ggcagg 346

<210> 8674
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e06b1

<400> 8674

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ccgccgtcgc agatgcccgc gctcaccggc cccccgcccg agttcgtcgg ccaccagcag 180

gcgctcaagg tgaagaacga catcaacctg cgcaaggaca ccatccgcct cgtgcccgac 240

gccgccgacc ctgaccgccg cctcgtctcc ttcaccttcg acgcggtcac cgacggcagt 300

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gacttgcaga caccaacaaa gataccttc cagaa 395

<210> 8675
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e07b1

<400> 8675

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cgagtggaga accaggaagg aggagggacg tgaagtggag aagaggggt gcgctggaga 120

aggagccaag cctgcaggag agcacggagt gccggcgcgc cgtgcccgcc gcagctgctc 180

gtggagatcc ggcatgtgct gcaccatgga ggcgctcgtg gagggtttga tgtcgaggag 240

gttcggttcc tacaccaatg gttacagcgg gctctgctgc agggagtgga agttttagaa 300

tgctgcggac aggttgagag caatagatgt tttttaagtc ctaggacaat ttgattttgg 360

gaggacaaag gtcaggcaag gatgagaatg ggata 395

<210> 8676
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e08b1

<400> 8676

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ccgactcgac gttcgggagc atcggcgacg tgctcaaact gctgccgacg tcgacggtga 180

tcgtgtacga ggtgctcaac ccgatcgtga ccaacgccgg cgcgtgcagc gtggccaaca 240

gggtggtcac cgcggcgctc ctcgtgctct 270

<210> 8677
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e09b1

<400> 8677

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gcgctggacc tctgatgacc agacaagacg gaccgaccgc accgtgactc cgacagccac 180

tccgtggtgg taatcagtgg agtgccgcca ccgtcgatca aaatctttga cctcccgcat 240

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agcggagcgg atccgagatg gagcccatcc ctctgctcac gccgt 345

<210> 8678
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e10b1

<400> 8678

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cttaatgtca gagttgattc tctgctcgct gctctgtgtc atctgcacag attagttaca 180

tgcttgtagg acaacacatg gaaatttaca tctggcttgt ctgtactaac cattgaaaac 240

aagcaacacc tgaaacaaat atgcaatttt actatgcata tgctcatctc gttatattca 300

gagttcaata tatacttgct gcagatacag aaagtgcttc atgttagagt tcagtatatg 360

tatcatctgc acaaattggt ttcctattca gattatatgc atctgctagg ctttattatg 420

ta 422

<210> 8679
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e11b1

<400> 8679

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acgcgaagca gcagcaggcc gcggcgccca ccggcgtctg gaagacgatc aagccattcg 120

tcaatggcgg tgcctccggg atgctcgcca cctgcgtcat ccagcccatc gacatgatca 180

aggtgaagat ccagttgggt gagggatctg cagctcaggt cgcaaagacc atgtatgc 238

<210> 8680
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049e12b1

<400> 8680

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cggcggccat gccgcgatcc ggggcgtgat cccgccgggg attgctggcc cgggagggcc 180

gcggcgatga acggcgcgag cgccggctcc ggctccggcg gcgaggggcc gctggtgtac 240

caggcctgga aagggaacaa tgtgtttttc ctccagggga ggtttatatt tggacctgat 300

gc 302

<210> 8681
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f01b1

<400> 8681

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atattccttg cacagaaaat gatgatctac aagtgcaacc ttgctgggaa gcctgtggtc 120

acagcgacac agatgctcga gtccatgatc aagtccccca ggccaacccg cgctgaggct 180

actgatgttg caaatgctgt gctcgatgga actgattgcg tcatgctcag tggcgaaagc 240

gctgctggag catacctga ggtggctgtg aagatcatg 279

<210> 8682
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f02b1

<400> 8682

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gtaacttcgg ttttggttcg ccgggcaagc cagcaaatgg ggccacaacc gcaggtgcta 120

acaagagcgc atccacccct acctcttcta ccctgccctc tcaatcaggc aaagagtacg 180

atttttcctc attaacgcaa ggaatgttct cgaagcgatg agtggcttgc aatacttgga 240

aatggatgag gcctccattg ggcgcagatt tagggagaag ctgggggggaa gcttgtacac 300

tgttttaccg aggcagctct gccaattgtg gatacatagt tacatcacc 349

<210> 8683
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f04b1

<400> 8683

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gactcacgcg cggcggcggc ggcggcggcg agcgagggtt ttgcctgctg ctcccccgac 120

gcggcggcgg cgggagtagc cgtcggatcc ggagggaggg gcctgcagcg ccatgagggg 180

cggcggccgg ggaggagggg gaggcggggg cggcgggagg gggcagcggg aacagcaggc 240

ccgcggcgcg gcggcggcgg tggcgggggа cggggcggag atcccggcgg cctcgcggaa 300

gctcgtgcag gggctcaagg ggatcctcgc cgaccgcacc gaggccgaga tctacgccac 360

g 361

<210> 8684
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f05b1

<400> 8684

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ctagccacca tcagcgcgct ccctccctcg atcctcatgt ccgattccga agcatccccg 120

acgcccgcgg ttgcggtcgc ggcggtggag gtggcggcgg gcgagaactc cccgactccg 180

gcgaggagtg aggagctgct gccggtggcg gagaagatct cggaactaaa tgaatcacag 240

tcagagctcc cgggaagact tcgaggcctt aaggaggatt tgcagagctg gagaagcaat 300

ttagacaccc aagtgcagaa atacaaaact gaaatctccg atatcaaaac tgcacttaat 360

agtgaaatag accagctgaa atcagatttc caagaactga ggaccaccct taagaagca 419

<210> 8685
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f06b1

<400> 8685

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catcgccgcc aggttccact cccactgccc gcagacggcg cgcatgtact acaagccgcc 180

gcagtccgcc tccacgtcgg gcgccgccga ggccgccacg acggatcgga cgaaggcggc 240

cggctttgac ggcggcgagg acgtggctgc tggcttccgg cccttcgccg cctcgggagc 300

tctcggcgcc ggcgtccagc cgcggttcgg cttcgacacc gcgcaggtcg tcatctacga 360

ggtcgtatga ggctgggaac aacgagggcg ggctcttctg ggaagagatc tctcggatga 420

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<210> 8686
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f07b1

<400> 8686

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gatcatgagc accatggcga tgtctgcgct gaacccggac gcgcccatgt tcatcccggc 180

ggcgttcaag aaggtggagg actactcgcc cgagtggtgg gagctggtca aaaccaccgc 240

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<210> 8687
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f08b1

<400> 8687

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gagctagcac cgttaattag cttcattgtg gtgtgatctg tatagttgta gattaatcag 120

cagtgtggtg atttgggggt gtaattagca ttattgtatt gggatccatc gacatactag 180

tatatttcat tatcaa 196

<210> 8688
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f09b1

<400> 8688

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ggccgacgag cggggccaac tccggctact ggaccaccaa ctccggcgcg cccgtctgga 180

acaacaacaa cgccctcacc gtcgggcagc gaggacctat cctccttgag gattaccatc 240

tgattgaaaa gcttgcgcag tttgaccggg agcgtatccc tgaacgtgtt gttcatgcac 300

ggtgagccag tgcaaaggga ttctttgagg tgactcatga tgtttctcag ctcacatgtg 360

ctgac 365

<210> 8689
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f10b1

<400> 8689

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tgcccgtcga ggaggctccg gcgccggcgg cggtggaggc tgtcgagacg gccgcggtgg 180

cggtggaggc tgtcgagccg gccgtcgtcg ttgtcgagga gactacggtg gcagcggtgg 240

agattgtcga gccggctgtc gccacagtcg aggtggcagc ggtggaggct gtcgagccgg 300

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tggcgaaaga gccggaggca gttccagcag agaccaaag 399

<210> 8690
<211> 405

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f11b1

<400> 8690

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atgttataac tggaatgcgt tcaactaaag aagcacggat tggtgatact cttcatcagg 180

ctaagactat cgttgaacca cttcctggtt tcaagcctgt gagacacatg gtcttctctg 240

gtgtataccc agctgatggt tctgactttg aggctcttag ccatgcaatt gagaagctaa 300

catgtaatga tgccagtgtg tctgttacaa aagagacaag cactgcactt ggcatgggct 360

tcagatgtgg tttcctagga ttgctgcaca tggatgtgtt tcatc 405

<210> 8691
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049f12b1

<400> 8691

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cggcggcgag ctgtgccgac tgctggtacg acggatggtg tgatcgtttg tgcggtctta 180

ttgaatacgg gtgccatgcg tgcgaacgca tacaaatgag agggtgctcg cccaggtgct 240

accagggttg ccttgcaacc tgcaggagcg tagatgcatc gtccggatcg atgtctgcct 300

agagcgtgcg tg 312

<210> 8692
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g01b1

<400> 8692

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tacatagcta aatatcatca tctcagaggg aacctatgtc gatgttgcga gcctgcaaca 120

acagctatag ctccctgcat ctcttgcggt tcatctcatg gttgctgctt gattctgcta 180

catagcagct acacaagatc ttctagtggt agatcaccgg aaacaaaaag gtttcttaca 240

aatggcgctg atggaaccac ctgaaggaat caaagaatcg gagcaacagc aacaagat 298

<210> 8693
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g02b1

<400> 8693

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acacaggaat ggacgtgtgt gttaaaatca ttaagaacaa caaagatttt ttcgaccaga 180

gccttgatga gatcaagctt ctgaaatatg taaacaagca tgaccctgcg gacaagtacc 240

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ttctgaaggc aaatttgtat gaatttcaaa agtttaacag agaatca 347

<210> 8694
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g03b1

<400> 8694

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actcacgttt gggccgcttc tactccggtc cagctgcctg cctcatccag cgcccccgtg 180

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ggtccgtcgg gcgatgatgt ctgcgcgacg aggac 275

<210> 8695
<211> 380

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g05b1

<400> 8695

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tgttagtgaa gctagctagg taagaaaaac catggcggct tcccgtgcct tggctgcact 120

gcttgctgtg gtggtactca tggtctgctc tccggcgcct cgtgttctcg ccactgaccc 180

cacccagctc caagacttct gcgttgctga tataatgaac cctgtgattg tgaatgggtt 240

cgtgtgcaag aacatgaaga tggtgacggc gaacgacttc ttcttgcccg ggcttaacaa 300

gccgggcatg ttgaacgctc agggctcggc ggtgacaccg gtgacggtgc ggcagctgcc 360

ggggctgaac acgctgggca 380

<210> 8696
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g07b1

<400> 8696

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ccgccaagtg ctacccgacg gtcagcgacg agtacctggc cgccgtcgcc aaggccaagc 120

gcaagctccg cggcttcatc gccgagaaga actgcgcgcc ccttatgctc cgcctcgcgt 180

ggcactcggc cgggaccttc gacgtggcca ccaagaccgg cgggcccttc ggcaccatga 240

agtgccccgc ggagctcgcg cacggcgcca acgccggcct cgacatcgcc gtcaggctgc 300

tcgagcccat caaggagcag ttccccat 328

<210> 8697
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g08b1

<400> 8697

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ccgcgcttcc ttcagcggct gccgctgctc ctcgtcctcc cactcagaaa tggaggccgg 180

cgctgggaca gctctgtacc ccgcgcaccg atgcaaaacc atatacctgg tgaggcatgc 240

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gcttgatgct caacttaccc cttt 324

<210> 8698
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g09b1

<400> 8698

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ggtttagcgc cgattcgccg gggggggaaaa tcgaaaaaaa aggaggagga atcgcgatgg 180

cagcgcaggt ggcggtggcg aacggcggcg gcgcggctcc ggcggtgccg gcggcggccg 240

tggtccccgc gcccgtggcc gcggcggccg gaggggtcac gcagccgctc ccgaccacgt 300

cgctctacgt cggcgacctc g 321

<210> 8699
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g10b1

<400> 8699

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gggaacccgc gggctcgccg tgctgctcct cgcggcggtg ctgctgcagg gcctcctccc 120

ggcctcggag gcggagggcc tggtgcggat cgcgctgaag aagcgcgcca tcgaccggaa 180

cagccgcgtc gccaagagcc tctccgaccg cgaggaggtg cacctcctcg gcggcgcctc 240

caacaccctc ccctccgagg aggagggcga catcgtgtcc ctcaagaact acatgaacgc 300

gcagtacttc ggggagatcg gcgtcggcac gccgccgcag aagttcaccg tcatcttcga 360

caccg 365

<210> 8700
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049g12b1

<400> 8700

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atgcttcacc cttccattat ggaagtttgc gtgcgtgcta tttccctatg ggggatgcgc 180

gctcaacatt cgtgaattca gcagatttgc ttccattctc gcagacacca ggtgtgtata 240

tcgagccgca gaatatgaca tctgcggagc ttgttttgcc ttttgtttgg caacacaact 300

ggcttgagat cactaagctt agtgattttc agcgtatggg c 341

<210> 8701
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h01b1

<400> 8701

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gctgtggatc aagctgcggc tgcggctcaa actgcaactg cggcaagatg taccctgact 120

tggagaagag cggcgccacc gtgcaggcca ccgccgtcgt cctcggcgtc gggcctgcga 180

aggtgcagtt cgaggaggcc gccgagtccg gtgaggccga ccacggctgt agctgtggcg 240

ccagctgcaa gtgcgaccct tgcaactg 268

<210> 8702
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h02b1

<400> 8702

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tcgccgtgct cctggcgctc ctggcgtcgg cggagtcgtg gctgtacgag gagttcacca 180

cggacggcaa cgtgcgcgcc gactacaacg cgcaggggca gcaggtggcg tcgctcgtcc 240

tcacccagca gtccggcggc ggcgccttcg gctcccggca aaagtacctc tacggccagt 300

tcagcatcca gatgaagctc gtccccggca actccgccgg caccgtcacc tccttctacc 360

tgtcgtcggg cgacggcccc gggcacgacg agatcgacat ggagttcatg ggca 414

<210> 8703
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h03b1

<400> 8703

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accagcccca atgacaagaa gggtgctggc ggcggcggcg gcgccggcag gagccggtcc 180

gcggccacgg tgcggcggct caagatgtac aaactaaggc ccatgaggga ccgcggtggg 240

aagatcgtca agcacgacct ccagtccaag gagctcccca aca 283

<210> 8704
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h04b1

<400> 8704

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agaattacat tgactgtacc ggaatgtcat ttcgggattt atggcagga aagctcccac 120

aggtcccagg ggagttgccc actttgaacg attgggagaa ccatctaaca acaatttttc 180

ccgaggttag gctgaagaga tacatggaga tgagaggtgc tgatggtgga ccttggagga 240

gattgtgtgc tttgcctgca ttttgggttg gtttgttgta tgacgacgaa tcactacaga 300

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tcccagtaac tggtttgaag acaccattcc gggatgggta tg 402

<210> 8705
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h05b1

<400> 8705

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cagcacagtg aggaggccgt ggaggacctt cgtggtcgcg gcttcaacga cacacagtgg 180

catggcggca tggaggtact gcgctgcggc tgaggccaca tcggtgcagg gcaataagcc 240

gtggcggcga ggcgggcgcg accggtgcgt gttatgggtg catactggac gcgtcgggca 300

ca 302

<210> 8706
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h06b1

<400> 8706

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cggcaggacc atgtactcca acaccgtcga cgaggagtgc ttcgactccg gcaggcac 358

<210> 8707
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h07b1

<400> 8707

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ctatggtaag tcgacgacca ctgggcacct gatctacaag cttggcggca ttgacaagcg 180

tgtcatcaag aggttcgaga aggaagccgc tgaaatgaac aagaggtgtt tcaagtacgc 240

ctgggtgctt gacaagctca aggcctagcg tgagagaggt 280

<210> 8708
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h08b1

<400> 8708

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cttcaatgtg gcgccgattc tttatctggg gataggttgg gttgcttcaa tctttcgatc 180

agaggtcatg cagaatgcgt gaagtacatg aggtctttca atgttgcatt gatgcttctt 240

ggcggtggtg gctataccat aagaaatgtc gcacgatgtt ggtgttatga gacaggagtt 300

gcacttggcc aag 313

<210> 8709
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h09b1

<400> 8709

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tgcgcgacct gcgcctcatc accgacaagc acccatgggg ctacatgcag tcgtcgtcgg 240

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tgggcgtgtt cacgggctac tc 322

<210> 8710
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h10b1

<400> 8710

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cgcgccgccg cgacccgcgc cgcgtgccct actcctgcgt cccctgcccc gacttccgcc 120

gcgacccgca agcctgccgc aagggcgacg cctgcgagta cgcgcacggc gtcttcgagt 180

cctggctcca cccggcgcag taccgcacca ggctctgcaa ggacgaggtc ggatgccc 238

<210> 8711
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h11b1

<400> 8711

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gccgcgatct cgcgcaggag cggagatggg gctcacgttc acgaagctgt tcagccggct 180

cttcgccaag aaggagatga ggatcctcat ggtcggtctc gatgcggctg gtaagaccac 240

catcctctac aagctcaagc tcggagagat cgtcaccacc atccccacaa tcgggtttaa 300

tgtcgaaact gtagagtaca agaacattag tttcaccgtt tgggatgtcg 350

<210> 8712
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189049h12b1

<400> 8712

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ttgagccagg atgccactgc ctgccttgga tctttgggaa acgtgtagtt ggccatctca 240

cactcaggtt gcagcagctg gatgtgcgct gtgaaactaa gacaaaggac aatgtgttcg 300

tcactgttgt tgcatcgatt cagtaccgac ctctggctgg caaagaaagt gacgcatact 360

acatactgac caacacatga tcccagattc aagcctatgt ctttgatgtg atcagg 416

<210> 8713
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a02b1

<400> 8713

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tgcagggcgc caagcagctt ccggcctctg ctgaggcggc ggccgagaag cggcgagggg 300

agaaggccgt ggaagggctg aggacggtga tgtacctcag ctgctggggt cccaattaga 360

agctgcaact tggtactagc taggcgtgtg tgtgtttgct gcaacaacca tggcctggaa 420

ccacgatgta aaaa 434

<210> 8714
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a03b1

<400> 8714

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tctttctggt gcgggccttc aatgcgtcgt cctggtggct gctgatatcc atccgccctc 180

ccggactcct cggccgatca gattcggttc tgttactcga gttcgccgcg gaaagagggg 240

aggagataag agggaggagg gttggggcct gagccgggaa ggcaggcatt ctgatccgga 300

ttcagctcct gcaacctctc agccgtctcg aggaaggata cttgagaagc caggctgctg 360

cggttttttt tttcttcaac aagtttcagg gatctgtttg agactgaaca gacccttgac 420

ctctttgtgc aacactcatt ttttgtacaa cttgtggcaa gaatttggca gcaaatgggt 480

cga 483

<210> 8715
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a04b1

<400> 8715

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tgctccagac ggccaccttc tccggcctct ccctcggcga ctccatgtgg taccacgccg 180

acgccgtccc ccgagcccgc aacgccgacc ccggcctctt atccccctcc caggcggtcc 240

acaacaacgc cggaaccgga ttcgccgtcg ccaagatgaa cggcagcctc aacgggccc 299

<210> 8716
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a05b1

<400> 8716

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tgatccgtct agccagggca atgagctgca tgtcaggatt tatatttctc aagcactccc 180

accactgccc aagagcaggc tgtcgccaat gctatcccaa atcctttcca agacaccagg 240

ataaatcaag tcagacaatt ccaacacttg ccacgggaac agcagcagcg tccaccaccc 300

ctggccggac agcaatacta cgcacaaggt cagggttcat atggagagca gcaac 355

<210> 8717
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a06b1

<400> 8717

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caataccact actattaact cccgattgaa gcgccttcat aaatcacctt agctaatgag 120

tccatgaatg atgtgcgtac gctgggcacc cagggctgct gtgcactgtc gcgtctactt 180

gagcgctcta ctacccttga aagacctgat cttcatcttg tctcctttat gcctaccgtg 240

cgtacggccg ctactgtcaa tcagacggat aaccgcgacc ctggttggcg aatccgcgac 300

cctggttggc ggatcactgg tgttcttggc tttctggaag aactatgaca gtccaaaggg 360

ga 362

<210> 8718
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a07b1

<400> 8718

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aaggtatacg gagaacccat gcctgtaaag gaattagctg atcgcgttgc tagctatgtt 180

catctgtgta cactctactg gtggctcagg ccttttggct gtggagttat tcttggaggc 240

tatgataggg atgggccaca gctctacatg atcgaacctt caggcctctc ctataaatat 300

tttggtgctg ctctgggtaa aggaagacaa gctgcaaaga cggagattga gaaattgaag 360

ctctctgagc taacctgcag ggaaggcatc gttgaggttg ccaagataat ttatggtgta 420

cacgacgaag cgaaagacaa atctgttgag ctggaactg 459

<210> 8719
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a08b1

<400> 8719

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aggttcatgg agcatggttg ccaccttggt tagcagcaca tgcagctcac tatatggagt 120

tgatgtcaag tcactggagt gaacatggaa aacctgctgt caacaattta ttgcaaaagg 180

catcagagaa aacagtgcag gcgaaggaat gggctgaacc ccatatagaa actgctaagg 240

cgaaatggat tcctgtcatt aaagaaaatt gggctactgc aaaggaaatt gcagaacctt 300

atgtgcaaat ggtctcagca aaatcagtag agctttatca agcatcaaag gatgctatct 360

cacctcatgt tgtgaaagca catgagcttg ctgatcccta tttccaggaa gccaagaagt 420

tatccaaacc ttatattgat caag 444

<210> 8720
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a09b1

<400> 8720

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cccggccgtc ggcgccgtgc tcggggccac cgtgctctcc ttcttcgact actacctgca 180

gtaagcgcgc cccggcccga gtcagttcgc tgcgaggagg aggaaggcag gaagaagaag 240

atcactaaat tcgatatgta tggctctacg ctacgctgat tcaaggcgcg cgcgtgcgtt 300

ttgatcgatg cat 313

<210> 8721
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a10b1

<400> 8721

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tcatggccgt ggtggctgac gtctcggcgc agaacacccc gcaggacttc gtcaacctgc 120

acaaccgcgc ccgcgccgtg tacggcgtcg gccccgtggc atgggacaac aacgtggcca 180

ggtttgcgca ggactgggcg gcgcagcgcg ccggcgattg ccggctgcag cactccggcg 240

ggccgttcgg cgagaacatc ttctggggtt ccgggcagtc gtggacggcc gccgacgcgg 300

tgaagctgtg ggtggacgag aagcagaact accatcttga cagcaacacc tgcgacgccg 360

gcaaggtgtg cgggcactac a 381

<210> 8722
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050a12b1

<400> 8722

tcggttggtt catcgcaatg tatgctactc tagctagtcg tgacgtggat tgttgcttaa 60

tcccagagtc tccattctac cttgaaggga aaggaggcct ccttgagttc gtcgagagac 120

ggctcaagga cagtggtcat atggtcattg cggtggccga gggtgctggc caagatctca 180

tcgcccaaag catgaacttt gtggacactc aggatgct 218

<210> 8723
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b02b1

<400> 8723

gggtgtgtca ccgccagcgc tacgaccgac gcgacgccac catgctggtc aagtacccga 60

ttatggatct gtcgatcacg cgcgactgct tcgcgatctg cggcggcggc ggctcgctca 120

agtcgggcat ccgcaacact gtggacattt acgagctctc ggacacggac ccgagcgggt 180

tcgagaagac catcacggcc gacacggggc tcgagctggc ctcgggcgtg gcgttctccc 240

atgatggcca actcattgcc gtgtctgtga acgcgtcgtg ctggatctac gcgctggacc 300

gcgaggcgaa aacgctcacg ctgctggtca agttccgctc ggactttgcc gacatcgaga 360

gttcccagac gtcagtgtgc tttgtgggca acagcacgct gctcacgggc 410

<210> 8724
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b04b1

<400> 8724

ccttcattgc ctccgctccc acgccgccga atccgagacc tgatctcgga ttcaccgcga 60

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caccggaagg ttcccagttt gacgctaaga actatgattc taagatgcag gagctgctga 180

accaaggtga gactgaggag ttcttcacct cttatgatga agttcacgag agctttgatg 240

acatgggtct ccaagagaac ctcctgaggg gaatttatgc ttatggtttt gagaagcctt 300

ctgccatcca gcaaagggga atcgttcctt tctgcaaggg ccttgatgtt atccagcaag 360

cacaatctgg aacaggaaag actgctactt tctgttctgg aat 403

<210> 8725
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b06b1

<400> 8725

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gcagccggaa gtggatgagt acttcgcctc ggcgtacggc cgcgagcact tcgcccgcat 180

ctcccaagcc ctcgcgcatc cttcttgcta ctcttgcatc cgtgtgaata ctctaaagtc 240

tagcactgat actgtcatgc aaaagctgct gaaattggta aatgagaatg aactttcttg 300

tggatttaat ggtttgaaga tcggtgagca gaatggtgga gagcaagcac atgaagggag 360

ttacctggtg cacaaatgcc catattc 387

<210> 8726
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b07b1

<400> 8726

ttttgcgtcc gctgacctat gagcagagga aggccagcct cgttgaaagg ctcaacgccc 60

tcaacaactc tgcgggtgcc gccgatgacg atgaggacga cgacgagtga agagctcttt 120

gtccacccca gtgtagtctt gcaacgtgcg tttttgttaa agtccggcac tctgcacaat 180

gacctgttcc attgagttct gtttgtcctg ctggagttat agattgtgtt atctgggtta 240

tgtgccgtgc tggcatttgg atcttaatct taatccgttc gtcttgcat 289

<210> 8727
<211> 481
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b09b1

<400> 8727

tgttgatgca gcttttgatg ttctgttagg gaagacaaca atgttccccc caaatatctt 60

gttagaccac aatgttcctg tttataaagc tgtgcagaag cctggagagt ttgttataac 120

attccctcgt tcgtaccatt caggtttcag ccacggcttc aattgtggag aggctgtcaa 180

ttttgctatt ggcgactggt ttcctctggg ctctctggct agcaaacgct acgcacttct 240

gaacagaaca ccctttcttg cacacgagga gctactttgc cgttctgcaa tgcttctgtc 300

ccacaaactg agtgatccag aaacaattaa ttctgaacat ccatacactc aatattgtgt 360

gaagtcttcc tttgtgaggt tgatgcgact gcagcggcgc acacgcagct tactcgctaa 420

aatgggttct cagatatact acaagccaaa aatgtattcg aacctatcct gtagcatgtg 480

c 481

<210> 8728
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b10b1

<400> 8728

gatgcagaag ctccgcgacc tcaagccttg cgccttgtgc ggtctcgatg ccacgctggg 60

tgtactgctc cgctacgtca aggcctcctt cggtaagcgt gcatgatcag aggactcgat 120

cgagttcgat ttcacctact accggagcta cacccaaggc gagccacgtg ccaactctga 180

tgtggtcgat gagctcgagc agttggcact gtgcaagtac gacgccgtac ctcactgggg 240

caaaaatcgc aactttgcct ttgacggcgt cattgccaag taccccaaag ccgctgagtt 300

cctcaaggtg aaggccaggt acgaccctga tgggatcttt tccagcgagt gg 352

<210> 8729
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050b11b1

<400> 8729

ggtgctctac ctcaaggacg accagatgga ataccttgtg gagcgccgca tcaaggatct 60

agttaagaag cactctgagt ttatcagcta ccccatctcc ctgtggaccg agaagaccac 120

tgctaaggca atttctgacg atgaagacaa tgaggagaag aaggatactg aggagggcaa 180

ggttgaggat gttgatgagg agaaggaaga gaaggaaaag aagaaaaaga agatcaagga 240

agtctctcat gagtggaact tggtcaacaa gcagaagcct atctggatga ggaagccaga 300

ggagatcaac aaggaagagt atgctgcttt ctacaagagc ttgaccaatg actgggagga 360

gcatttggct gtcaagca 378

<210> 8730
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c01b1

<400> 8730

tgctcgtcga ccgcctcgcg ctttcttcat gtccagggag cggcggttgc cgctcgtcct 60

ggccctggcg gcggcggtgg tgggcgtcct cgcggttgcg tcgccgcggg cggaggcgga 120

gctgcaggtc gggttctaca atgcgacgtg cccgatcgcg gaggggggtgg tgttcgcgga 180

gatgcacgcc atcctgcacg aggaccccac gctggcgccc tcgctgctcc ggatgcacta 240

ccacgactgc ttcgtccagg gctgcgacgg ctccatcatg ctcaggtccc gccggggcac 300

ggcggagcgg gacgccaccc cgaaccggag catgcggggc tacgacgcca tcgagcggat 360

caaggccagg ctcgagacgc 380

<210> 8731
<211> 203
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189050c02b1

<400> 8731

ccttgttgat gaatgccagg cgtatgtagt tagatgagac caatgcatcg ttgattgtat 60

cgaaactgaa aactgggcat ctgggacgat tatttgatta tttattgtgt ccctgtggga 120

gcctttctca gagttattga aaatgtatcc actactgtta tccaagtctt ctatctatac 180

tgaaacataa gagcgtttng atc 203

<210> 8732
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c03b1

<400> 8732

acttgttaca cacctaatgc agggactatg gagctgagga aagctatctg caacaagctt 60

caagaggaga atggtctaac ctacagccca gatcaggtgc tagtgagcaa tggagctaag 120

cagtgcatta cacaagctgt tcttgctgtt tgctcacctg gtgatgaggt tttgatacca 180

gcaccatttt gggtcagcta tcctgaaatg gctaggttgg ctggtgcaac accagtgatc 240

ctcccgacaa gcatatcaga caatttcctg ctgaagccag agtcacttgc ctcagtgatc 300

actgagaaat caaggctctt gattctatgc tctccatcta atccaacagg ctctgtgtat 360

cccaaggagc tgcttgagga gattgctgct atagtcaaga agtatcctag gctcctggtt 420

ctatctgatg agatctatga gcatattatc tatca 455

<210> 8733
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c04b1

<400> 8733

gtgtcatccc agcaccgcct ccggcgcccg ggaagcccaa accaaaccct aagcctccgc 60

gccggcgatg gcccgctacg accgcgcgat caccgtcttc tcccccgacg gccacctctt 120

ccaggtcgag tacgccctcg aggccgtccg caagggcaac gccgccgtcg gcgtccgcgg 180

caccgacacc gtcgtcctcg gcgtcgagaa gaagtccacc cccaagctcc aggactccag 240

gtccgtgcgg aagatcgcga gcctggacac gcacgtcgcg ctggcttgcg cggggctcaa 300

ggcggacgcg cgggtgctca tcaaccgcgc ccgcgtcgag tgccagagcc accgcctcac 360

cgtcgaggac cccgtcaccg tcgagtacat cactcgctac atcgccggcc tgcagcagaa 420

gtacacccag ag 432

<210> 8734
<211> 453
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189050c06b1

<400> 8734

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catgtggttt tcgcctgcta aactctgttg gatctataca ccttagacct tgtatcgcag 120

ttttgccgct cgatccgtga ctcatgattc atgagctata caccttagac cttgcataca 180

tttgccccta tcatcagtat aatgattcaa ccattgctac ccatccattc cattccagcc 240

aaaggaagag tactagtatg catttcttgt ggtcatataa gtattgttga ttgatgattc 300

gactgtattc ttcctgctag atttggtcag aacaggtgcg ggctgataag ggttgctcgg 360

ggttaatgcc aaaaacgtag tcatgtgctg agttgcgcta cactnttctg tttttattta 420

ccaatacatg tccccaaaga tttactccat cac 453

<210> 8735
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c07b1

<400> 8735

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ggacgctgtt gactattatg ttggcagctc ctccaacagt cacttctctg attttgtgca 120

gccaaatcct agtgcactta ccgagccttt gcatccgcga atgcctttaa acattggtcg 180

aagcaactgg attgaccaac acttagttaa tcaagaagta tctcagagga atgtcagagc 240

acgccatgat agtgctaata tttcattgga agctaggcca gcttcaactt acacaccaag 300

tagcaatcat cagctgccat tccattcaac cacaagtgct tttgcaagta cgtcagcagg 360

aaggaaccaa gcacctttt ctgtgccaac aagaacatta ccttcaggtg gcactgggat 420

cactggtagg atctaccatc atcctatgca tagcagcagc 460

<210> 8736
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c08b1

<400> 8736

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ggccgcgtcg tctccttcgt cggcatgcac atggacgtcg ttccggccaa ccctagcgaa 180

tgggacttcg atcccttctc actaaccttc gaaggtgatg acaaggaaaa gcttaggggc 240

cgtgggacga cggactgcct tggtcatgtg gcgctagtga ctcagctcat gcggcggctt 300

ggtgaggtga aaccaccatt gaagcattct gtcattgtgg tgtttattgc caatgaagag 360

aattcatcgg tcactggcat tggtgttgat ggtcttgtca aggatggttt gctggataag 420

ctcaagactg gacccttgtt ttggatagat actgcggata agcagccatg cattggtact 480

ggtgggatga tcc 493

<210> 8737
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c09b1

<400> 8737

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gtctagtgct aaaagaaacg attttggatt tgtcaacttc tcaacccatg aggaggctct 120

tgcttgtatt gaagccacca acaacaccga gctgggtgat gatggaaaag caaagctaaa 180

agtaagggtt agactttcaa acccttacc taaaagtcag gctgtgaaag gtgaaatgag 240

tggcgggttt cgaattggac atcctggatc tggttttaac aggcctggta gaggttttaa 300

tagggacaga gctgcccctc gccgggaagg tttccatggt gataggggtt tcaataatca 360

cactcctggt cgtggtgcga gatttaattc tgcatacagt aacaacagtt ttgaagcttc 420

gccctctgat 430

<210> 8738
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c10b1

<400> 8738

gaaaggatag ctctgaccgc catagaattg gaagcaagag acgaaccgat ggagcagcag 60

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atttgccacg aggaggagga cgagagctgc gcggcaatgg agtctccctg cgcatgctcc 180

ggctctctca agtatgcgca caggggggtgt gtgcagaggt ggtgcgacga gaaggggagc 240

accctctgcg agatttgcct tcagggtttc gagccaggct acacagtccc tcccaagaaa 300

gctccggccg ttgaggtgct ggttactgtc agcgaggatg aggatgagga ggaggagctg 360

gacgggcacc agggcatgca gtatgcgccg tcagacgggc cgatggacgg cccggacgcc 420

gtcggctgc 429

<210> 8739
<211> 434

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c11b1

<400> 8739

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atccctggag gaggtggaca tgctgcagct gtctttccgg gactcgtcgg caaccacggt 120

gtcgccgggc tcagtcgccc aggcctcgcc ggacagcgtc aagtaccccg aggacatgtg 180

gtcacggacc cattcgccgg aagccgagta caaagaggat gacgagacgg gaacaccccg 240

agaagccgaa gaggccgagg cgaagatcgt cgaaggggag gggagcagca tcgacatgag 300

cgacgacgat gacgatgacc gctcctcgag cagcaagaag aagatgatcg cggcaccggt 360

gtatgacgcc gaattcgccg ttgagaacag cttggagcat tcggagaagg aaattatcac 420

cataaacgat catt 434

<210> 8740
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050c12b1

<400> 8740

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aatcggttgt tctatacgaa caatcctgga gatgctttgg tctcacgtgc tgctgatatt 180

gcaaaatttc aactggaaat agatagttca tctggcaact ttggtgcaac atcttctctc 240

catagatgtg catctgatga cttccatttc tcgttttggt taggagttcc cacgatggga 300

tggttacaaa cttaaagtcc aagtgactat aaaagaaaca acaaaaacat agtaaaatgt 360

ataaaattac gcagctttcc ccccaccact ggtgggggggt tttggagctg acccc 415

<210> 8741
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d01b1

<400> 8741

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aggcaatcat gccccgacgc cgaggccatt gttcgcagga tcgtcaccat ggctgtggaa 180

gatgacctaa cggtcaccgc gccgctgcta aggctccact tccatgattg cttcgtcagg 240

ggttgcgatg gatcggtgct gctcaactca accaagacca acatcgcgga gagggacgcc 300

aagccgaacc tcaccctgga cgccttcaac gtgatcgacg ccatcaagga gaagctggag 360

aagaagtgcc cgggcaccgt ctcctgcgca gacatcctcg ccgtcgccgc cagagacgcg 420

gtctc 425

<210> 8742
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d02b1

<400> 8742

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acctcgcgag ttcgtcctca ccctccggcc gagcacaccc cagctcctcc ggccgcgcac 120

ccgagcccgt cgacaacgcg agctcctcct cacccgccag ctgggcgctc cgcctcgcga 180

gctccgccgg tcacgcaccg ctcatccccg aactcgctcg tgtgcctccc cgtggcgccg 240

aagcgaatca gctcccgagg gcggctgggc cggacggcag cgcggctaag cagggcctgg 300

cggcggcgcg acgagcaggc cgggcggcgc cgcggcgggg gttgggctgg atggcggggc 360

gagcagggta ctacagtgga gaagaagggc cggattgctt tttagtttta tgtttta 417

<210> 8743
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d03b1

<400> 8743

ccctctcgtc cgctccattg ctcgccaggc cgtccttaag ccaactcagg tagcagcaac 60

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cgccgggcag ccgtgttggg ccgtgcagca ggagcgtcgc ggaggcggcg cctggacgct 180

ggaggagaac aaggtgttcg aggaggcgct cgcggcgatc gacctggacg cgccggaccg 240

gtgggagatg gtcgcgctga tgttgcccag gaagacggtc gccgacgtgg tgaaccacta 300

ccgggccctc gagaacgacg tcgggttcat cgaggccggg ctggtcccgt tccctcacta 360

cgacagctcg tcccccttcgt ccgggttcac tctggactgg gacgggggc 409

<210> 8744
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d04b1

<400> 8744

ccttcttctc cttccccaag ccgcaacctc ccacaaatgt ccggctcccc tgccctcccc 60

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cgatggccgt cgacgactcg tcggagaccg accagctcga ctccatgtcc acggaggaca 180

tcgttcgggc cacccgcctc ctcgacaacg aggtccgcgt cctcaaggac gagctgcagc 240

ggaacaacct ggagctcgag aacgtcaagg acaagatcaa ggagaatcag gagaaaataa 300

agctcaacaa gcagctgccc tacctcgtcg gcaacatcgt cgagattttg gaaatgaacc 360

ctgaagatga ggctgaagag gatggtgcta atatagatct ggactcacag aggaaaggaa 420

aatgtgttgt tcttaagaca tccacaagac agactat 457

<210> 8745
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d05b1

<400> 8745

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gaccgagacg tgcgcgacga tccagctcac gcgcgcggcc aacatccggt gcggagacaa 120

accattcaac ggcatgtgga acccgcccga gtggtaccac tggtcggccg gcatcaagga 180

agtccagtgc ttccgcgagc ccgtactcgc gcactgggtg tcgtactttc tcttttactt 240

ggccgagttc atctcgatca tgctgggctt catgtactat ctcggcatgt ggaagcccgt 300

gcgtcgtggt gcccagtacc tcaaggattt tgcaccgcac ttcccgccgt ccaagtggcc 360

aaccgtcgac attttgctct gtcactacgc tga 393

<210> 8746
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d06b1

<400> 8746

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cggcggctcc gcctccccca gcaccgccgc ggagtcgcag ccctccctgc tcgccgactg 180

gaactcctac gcagccaccc ggtcggacgt ctcctcctcc tccccccctcc cgttcgacat 240

cgaggccgcc gtccgctcgg ccaacgacac cgtctccggc accttcaatg tggtgtccaa 300

gggcgtgcgg gagctgccgg ggagcttcca gggcgccacc agcagcttcc cctcggggaa 360

ggcgctcacg tacttcgggc tcttcctcgc caccggcatc ttcttcgtct tcatcgcctt 420

cacgct 426

<210> 8747
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d07b1

<400> 8747

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tgaagttggt cggctactgt cacgaaggtc aaaagaaagt ggtgctgaac aacggaagat 120

atattgtggc tgacattgtt gaaagtttac tttgccatga gtacttacca ctgggaagcc 180

ttcagaaaca tctttttgaa gtacatacaa aaatggactg gaacatacgc ttcaacataa 240

ttaaggggat ttgcaatggt ttgcactttg tacacagcat tcctattgtc catatggatc 300

tcaagccgga aaacatactg ttggatgata acatggtgcc gaaaatcgcc gatttcggtc 360

tctccagact ctttggtcaa gaacaaacac ggatgaacac acagaatgtt gttgggtcat 420

atggatacat agctccggaa tatctataca ga 452

<210> 8748
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d08b1

<400> 8748

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gcgtcctcgc cggtgtttag caacagagat ggcgtgcgcc gagtcctccg cgaggagagc 120

ttgtaagcag gaggcatgct tcacagtgcc ggctgcacgc aggtcagatg tcggtttgga 180

gaggagctcg gcggagctgc gccgtcatgt ccgccaccag caagcttcag tcggtgggtg 240

cgacggcagt cggcggcgcc attggggcgc aaggaaggtg atcatgtttt tattgagttc 300

ttctctgcca agaggaacaa cagggacaca agccttatct aactatagta cattttcttt 360

atgtatagat gattcac 377

<210> 8749
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d09b1

<400> 8749

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gcagcatgga tttcgaactc cgtgttatcg aagctatcac aaacaacttt gcagatgatc 120

agatagttgg cagcggtgga tacggagttg tttacagggc gacccatgaa ggggaagaaa 180

ttgccgtgaa gaagcttcgt caactgccag gactcgatga taagcaattc gacagcgagt 240

tccgcaacct tcgtaacatt cgccaccaaa atgttgtgcg gctaattggc tactgctacg 300

agtctcggca tagatacatg gatcacaacg gggaccttgt tttcgctcaa ctaatggagc 360

gagtgctctg cttcgaatat atgcacggcg gaagcctcga tgaacatatt caagataaat 420

cttgtgaact tgag 434

<210> 8750
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d11b1

<400> 8750

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ttcacattat acgattgcca aagggtagca cttattctga tttgatcgac gacttaaaat 120

caaaggttca gctatctcga agtgatgctg agcttaggct atttcaggtc aacaataaca 180

agatatggaa ggtgtacctg cctactgaga aaatagatgc agttcatgat ccaaatgtac 240

ctcttcatgt tgaggagatt cctgaagtag agaaaagtgc cggtccgcga gaccgtttgg 300

ttcatgtcgt ccacttcttc aaagataacc agcacattca atacttatgg act 353

<210> 8751
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050d12b1

<400> 8751

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cctgcaggac ttttgtgtcg ccgacatgaa ttcaccagta cgtgtcaatg ggtttgtttg 180

caagaaccca atggaggtca acgctgacaa cttcttcaag gcagccgcgc tcgacaagcc 240

tagggtgacc aacaaggttg gatccaacgt cactttgatc aacgtcatgc agattgctgg 300

actcaacacc ctcggcatct caattgtgcg catcgactat gctcccttgg gtcaaaaccc 360

accacatacg caccctcgcg ccactgagat cctcacggtg ctcgagggga cactgtacgt 420

tggctttgtc acatccaacc agcccgcccc aaacaga 457

<210> 8752
<211> 374

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e01b1

<400> 8752

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agcttctgtc ggattcgttc ccttacaggg agctggagaa cggcgtgctc tgggaagtcg 180

atggccattg ggtcgttcaa ggagcagttg atgtggacat tggagccaat ccctctgctg 240

agggtggtgg tgatgatgaa gggtgttgat gaccaggccg tgaaggtggt tgacattgtt 300

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aagcgctaca tcaa 374

<210> 8753
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e02b1

<400> 8753

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caatgaatgt gacaacgatg gctccagctc ttaccaagag acttgtagtg atgacagaga 180

actgagtttc gactatgaaa taaatgatag agaccaagat tttattgctt cgagaggttc 240

aatggatttg gataaaggag acctgaggac ttccccaacg ccaataaaag agatcaagca 300

ggaagaggtg aagctactga aggcagaagc agcagctcca caagtgaagc ctgagatcat 360

cacacattca 370

<210> 8754
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e03b1

<400> 8754

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catgaggttt ccactgacta gtacggccgc ggttctaact agctgttgcg tggcgtcgcc 120

ttcttaagcc aaggccaagc aagggaccgc cggggcgcga gcgcgcggat ggcggccagg 180

cactcgtacc cgcccacgcg ggccacgcgg agcgcgccgg cgcctcggcc gccattgtcc 240

cgcctcgggg agtcggagac ggcggcggcc caccccggcg ccgacccgga ggcgcgccgc 300

aaggccaaga agcagaacca gctgtggccc aagacggtgc tgcgcaagtg gctcaacatc 360

cggtcgccgg actccgactt cagcgccgac gagggcgaca 400

<210> 8755
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e04b1

<400> 8755

ccctctcgtc cgcccaccct agcctcgctc gccccgaagt caaacaacag acaacgcatt 60

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gccgccgccg cgggggccag gcgcgtcctc ctctcgcgcg gcccctcctc cctctccttc 180

gcctcccgcc gcctcgcgtc cgcgggcccc cctccgcgcc gggcccctgc cccgcgcggc 240

gactcgggcc ctctccgcga ccgcgtcccc ggccgccaca acgaccatcg cggtcggcga 300

ccggctcccc gacgcgacgc tgtcctactt cgacgccccc gacggcgagc tgaagacggt 360

gacggtccgc gacctcaccg cgggcaagaa ggtggtcctg ttcgcggtcc cgggcgcgtt 420

cacgcccacc tgcacccaga agcacct 447

<210> 8756
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e06b1

<400> 8756

gagtccgtct ctttttaaaa aaaaaaaaaa aaaaaaaaaa aaagaaagat aaaaaaaaaa 60

aataaaagga 70

<210> 8757
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e07b1

<400> 8757

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gagaggggga ggggacgagg agatcgaggg agagagggag gcgacgcgat ggcgcgggag 180

cggagggaga taaagcggat agagagcgcg gcggcgcggc aggtcacctt ctccaagcgc 240

cgtcggggcc tcttcaagaa ggccgaggag c 271

<210> 8758
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e08b1

<400> 8758

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ttcaccgccg ccgtccgccg gagatcggac ggctgtccct gccccgacgc cgtccctcgc 120

gagccagtgc cgccgcctcg tcctcatcgc cgtcgccgcc ttcctcttct tccaccccta 180

gcttctccag aggcggccga gtcgccgagt cgccatggag gcctacaagg tctgggtgcg 240

gaagaaccgg gacctcgtcc gctccctcga gtccctcgcc aacggggtga catggatact 300

tcctgagcgc ttcgctaact ccgagattgc cccggaagca gtatatgcac ttctgggcat 360

tgtaagttct gtcaaccagc atataattga gacaccaact gatggtcact cactggcctc 420

caaggaacaa tctatcccat gggct 445

<210> 8759
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e09b1

<400> 8759

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gtgaagagat tgcatccaaa atcagtacaa ttgctcggtg gagagaaggt ttggtggcta 180

aatgccttga aatgcttcct gaggtccaga gggatgtgag gtccatcagc agcggggacc 240

aaagtcagtt tgccatccga accatgcaaa tgtcttctcc agttaatcct gttgtcaaat 300

cagccagtcc taccattgga ttgagctcgt ccttcacccc tgctcttcag aataaatcaa 360

accctctcca ctccaggaat atccatgggc tgactgattc tggtgctctt atcggtagtg 420

tccgttcaga gtttggcaga aaggtt 446

<210> 8760
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e10b1

<400> 8760

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gcgctattaa ggtttgtttg gaggaagggg aggagtctcg gaggtggagc tgaggagaga 180

gaccggagat ggcggcttcc gcgaggcagg gggagagggc gaccagcttc gccatggcct 240

gcagcctgct cagccgctac gtccgccaga acggcgccgc cgccgccgag ctcggcctcg 300

gaatcaacaa gggtgaggcc gaggcacaga gggcggcgga cacgaagagc cctttgcccg 360

gagcggaggg cgaggaggcg ggtaggaaga aggagaccat ggagctgtt 409

<210> 8761
<211> 503
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e11b1

<400> 8761

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ccggggcacc atcaccgctt ccggcgatct cgtcccgctc tcctacatcg cgggacttgt 180

caccggccgc ccgaatgccg tggccgtggc tcctgatggc acaaaagtta atgctgccga 240

ggcatttaag atcgccggta tccaacacgg cttcttcgag ctacagccca aggaaggcct 300

tgctatggtt aatggcacgg cggtgggctc cgggctcgcg tccattgttc tctgtgaagc 360

aaacatcctt ggtgtccttg ctgaagcttt gtcggctgtg ttctgcgaag tgatgaacgg 420

taagccagag tacaccgacc acctgacaca caagttgaag caccaccccg gacagatcga 480

ggctgcagcc atcatggagc aca 503

<210> 8762
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050e12b1

<400> 8762

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gcggcaaagt tcttttattt gctattgttc atagtttcaa gcttcaacta cttgacattg 180

tttggcatga tgctggtatc attgaccccg tcttccatgc tcgcaaacat actgatatcg 240

tttgtactcc ctctttggaa cctgtttgct gggttcctcg tcgtcagacc gttgataccg 300

atctggtgga ggtggtacta ctgggccaac cctgtgtcat ggaccatcta cggcgtggtg 360

gcgtcgcagt ttggcgacaa caagagt 387

<210> 8763
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f01b1

<400> 8763

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tggggtgtca tcaaattcgt tccagttgtt gcccactgaa gagcaagaaa gggaaaaacc 180

ttgtgtgaaa aattcaaact tgaacttacc tgccgaggaa tgtgctgctg cttttgtatt 240

tttcaaaacg cggtatgcag cgctaattgt atccaaaatt ctccagacat ccaatcctat 300

gaaatgggtc actagtctgg ccccagaacc taaagacatg tactggtcaa atctttggtt 360

accgtacaag cagctttgga ttcgccgcat agctacactt cttggttcta ttgtttttat 420

gttcattatt cttgtacctg tgacatttat acaaggtcta actcagctgg aaca 474

<210> 8764
<211> 451
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f02b1

<400> 8764

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gaagaattga gttcccaact tggggagcta ttcgaggaag atcaactcta caggattgac 120

cactacttgg gaaaagagtt ggtccaaaac ttgcttgtgc ttcgttttgc gaaccgtttg 180

ttcttaccac tttggaaccg tgacaatgtt gataatatac agattgtatt cagggaggac 240

ttcggaactg atggacgtgg aggatatttt gatcaatatg gaatcatccg tgatatcatt 300

cagaaccatt tgttgcaggt tttctgtttg gttgcaatgg aaaagcctgt atctcttaag 360

cctgagcaca tcagagatga gaaagtcaag gttctgcaat ccgtgaaccc gataaaggac 420

gaagaggtag tccttggaca atatcagggc t 451

<210> 8765
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f03b1

<400> 8765

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caaacgagac cttgctagca aagctctact tgacaacttc aaattgtaag atggttcaag 120

cgtcaccata caatgtttaa acctgtgtac atgccagtat gtaaccatct cagcgcaaac 180

gtcgtcctgt gagagtgaaa tgcaattatt ctacctcatg tggtttctcc atagtgcctc 240

ccaacataaa gctagtattt tttccaccgt gtaatcatca tattcttgtt gtctcagtgg 300

gctgtcttat ggagctgagt gtggcctcaa ggctgttagt cttcacacat cgttgaac 358

<210> 8766
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f04b1

<400> 8766

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cccgaggacg ccgaccccga ggagttccac atccgcaccc tcgcccccgt cctcggcagc 180

gaggagaagg ccaggggcgc cgtcctctac cactacaagc acgccgccag cggattctcc 240

gcaaagctca ccaccgagca ggtcgaggac ctcaagaagc aaccaggtgt ccttcaggtt 300

gtgccgagcc agacctacca gctccatgga catgagggtg gacatgccag cacaacgcgc 360

acaatgggcc ttatgtgaaa gccttgagta ggctctgttc ttctaatatg ggaatggttg 420

catctcatgg ctgtaaccta agaataagag atgta 455

<210> 8767
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f05b1

<400> 8767

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atgacatatt cagtgaagtg ggtgcaaaca aatgtggcat ttgcacggcg ttttgaagtt 120

tacttggact acccgttctt cgaacaccag attcattggt tctccatctt caattctttc 180

atgatggtca ttttcttaac tggtttagta tcaatgatat tgatgagaac cctgagaaat 240

gattatgcaa aatatgctcg tgaagatgat gatcttgagt cacttgaaag ggatgttagt 300

gaggaatctg gatggaagct tgttcatgga gatgtatttc gacctccacg caacctaatg 360

tttctgtctg ctgttgttgg cattggcact cagatggcag ctcttatcct gcttgttatt 420

gtacttgcca ttgttggtat gctttatgtt gga 453

<210> 8768
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f06b1

<400> 8768

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tcccgtcggt gcactcacat tgtacactga aggcagggct ttttgtatat taaaattagc 180

attagaccct tcatgataag aaaccatggc accaggatgc atggcataga aaatagcagc 240

attgtatgcc ggggcatgga tgttcaatgt tgtaacttcg gttggcataa tca 293

<210> 8769
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f07b1

<400> 8769

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aggtggtgga ggacgaggcg tcggcggcgg cgatgctcgc caacggggcc gcggacgtcc 120

gccggaggag ggaccaggcc aaggcgatgc tgtcgaagca ggccgtcaag atcgccacca 180

aggcagagga gcacgagcgc ttcatcttca aggtcacaca cctgatgggt gttcttggat 240

ttgggacatt ttgctacctc ttgggtgcta gaccacagga tgtgccgtat gtgtattgcc 300

tgttctatgt catatttgtt cctctcaggt ggatctacta tcgctacaag aagtggcact 360

actatcttct ggatttctgc tactatgcca acacttttct ccttgttatg attctctttt 420

atccaaagga tgaaaagctt ttcat 445

<210> 8770
<211> 400

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f09b1

<400> 8770

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ctccaccata ttaatttgca tctctgtggt gttggcgatg ccatcaagcg ccagggagga 120

agatcgtaac gcacccgttg tgaggaatgc tgctcctcca ctggttgcct cagaagccaa 180

gatgattgtg gccataggcc atgaccattg ccagcagttg aaggatgtgt tgagcaagga 240

ggatccttcg accatggtag tggtgatggc ctcaagcaac cagactccta agccgcccaa 300

gcctcgctcg ccggtcatgg attccagact gctagcagtg gcctgctctg gttcgtggaa 360

gaaactgcaa tcatttctca gtggggaaga ccgtcaaacc 400

<210> 8771
<211> 445
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f10b1

<400> 8771

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acagttccac cttgccttca gcttctatga gggtgttcgt gctcgcaaca tctgcccttc 180

tgtgccatcc tatgagaggc gcttcaccac aagctgctac atgactcaga accttggcat 240

cagtgtcccc atgatgtcat cttctccatt gtttgccaat gcaccacctg agaagaaagg 300

tgtcaagaac tttgcaattg acttcctcat gggaggagtg tccgctgcag tttccaagac 360

tgctgcagct cctattgagc gtgttaagct gcttatccag aaccaggatg agatgatcaa 420

ggctggcagg ctctctgagc catac 445

<210> 8772
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f11b1

<400> 8772

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actatcggtt ccctacagtc tgacgagtat gctgttgatc agggagtgat ctctggtcca 120

gcaacagcta tcgccaatgt ggcctcaatg gtttcaaatg tccctgtggt gggggacttt 180

gcacgagcta ctgaaatggg agcccgagcg ataggaggta tagccaaact ttttggttat 240

tccaatccac caatgattga cgacgtccaa cctatgcaga ataaggcatt tcatgcattt 300

gcaaatgttg agacgcgtgt tcctatagac aaactttgtc tggatcccaa aaatgaagtt 360

tccatttcgc ctgctattgc gggcgttgat gaggaagacc ctttggtgat ttcagatctc 420

tgttgtcgag agagttatat caacgctttc aattggacag gagcac 466

<210> 8773
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050f12b1

<400> 8773

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gaccaagtgg tcgcaccgat ccagcgagcc cgcggggccg tcgaattcgg ctgcagcgca 180

tcagcagcag caggcgccat cgtctccatc ggcgccgtct cctcctcctc ccgtggcgtc 240

gacagaggcg gcaggggatg agttcatttt gcaggaggaa gagtaccaga tgcagctggc 300

gttggcgcta tcagcgtcgg cgtcgggcgc cgaggaagct ggggatcccg acggggagca 360

gat 363

<210> 8774
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g01b1

<400> 8774

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agaaacaata atgttaccca acactcgcca tctgattcgg ctgcttacca tcctcttctt 120

tgtgatctgc ttctgccgac tttcatcctc gcgcgactca cactgcaccg gagtccacga 180

cccgcgtaaa cccccaatgt tattctgccc accatgctgc tcataggaag ggtaccggtt 240

ctagataacg gaatgtgcgt atatatggat ggcggcttgt cttagaggca tctgtcgctc 300

atagttttct ccaagaccat tgctcatgaa atcttctact gcctataaat ataaatggag 360

tgttcatcat tcttcagaag tatttatgta ctttccacat gtgtaatcct ttcaatcaat 420

tacaac 426

<210> 8775
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g02b1

<400> 8775

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ttgttcagat ctcctacgcc attggtgtgc ctgagccctt atctgtcttc gttgactctt 120

atggtactgg caagatcccc gataaggaga tcctcaagat tgtgaaggag aactttgact 180

tcaggcctgg gatgatcagc atcaaccttg acttgaagaa gggtggcaac agattcatca 240

agacggctgc ttatggccac tttggccgtg aggatgctga cttcacctgg gaggttgtga 300

agcccctcaa gtttgacaag gcctctgctt gagacgtggg tatgaaggag tctatcatta 360

ctgctgctgc cgctggtggt tgtatcttgg ataattgaat tccttctcta tagaaggaag 420

ca 422

<210> 8776
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g04b1

<400> 8776

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aagtgctgca acaactgcag gtccttctcg ggggtcgacg tctgcgacga cgcacacccc 180

cagtgcccca agggctgctc ggcctgccgc gtggtgacgc cgagccctca caagacgttc 240

cggtgcgccg acatgaagag caccgtcgac ggcacctgcg gcgggccatg caagaagcac 300

tgatccgttc agggcttcag gctcagacgt ggtgtgccgt ctaaaataaa gctcagatga 360

tgagccagct tgtcacagtg tttgtgcgtg cctgtggctc caccttgcat accgacaata 420

tataca 426

<210> 8777
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g06b1

<400> 8777

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cggggaggcg atccggcgac cggaggagag cccgccatgg cgcggaagca cggctggcag 120

ctcccggccc acaccctgca gatcgttgca attactgtat tcttccttct ggtggttgca 180

ttttatgcct tctttgcacc atttctggga acgcaagtcc ttgagtatgt tgcgataggc 240

atttatactc ccatggcatt ggctgtcttc atcctttaca tccggtgcac aagtattaat 300

cctgctgatc ctggtatca 319

<210> 8778
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g08b1

<400> 8778

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cttatcgcca agggctcggg gcagctggta aggggcatca tctggtgcgg ggacatcaca 180

gcctccggcc tgaaatgcgg ggaggcggtg ttgaagaagg gtgcgggggc gaacggcaag 240

catacgcagg tgaagccgag ctccctcaag aggatgaaga gggccagaag ggtcactaaa 300

atgtcgaaca aggtagcaaa ttcaattctc tcaggtgttc tcaaagtctc aggatttgtt 360

accagcactg tggtcaactc caaacctgca cagaagttc 399

<210> 8779
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g10b1

<400> 8779

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taccaaagct gcttttaacc aaggtacaag tacatatgtt cttaatttct acaggcatgc 120

aatagccaca atgttcttac tgcccattgc ttttgcgatt gaaaggtatg ccgagttttg 180

gcttcttagt tacctagttc tggatgtcat ctaggaagca tgcactgaga tttattttgc 240

aggaaaactg ccccacaaat gtcatacaaa ctctgtgtga agctatttgt gcatgcatta 300

tatgggatgt ctgctccttt taacatatca tgtgttggcc tcaaatatgc ttcagcagct 360

tctgcttctg cagtaataaa tctcctgcca gttttaactt ttattttggc tcttctgttg 420

ggaatggagt ctttgcaatt aaagcgcttc catgggatta tg 462

<210> 8780
<211> 487
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g11b1

<400> 8780

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gtaacacatt atacacatag tacaaacata cgtagattat cccaagttat tagtaatgtc 180

ccaacactgc aaataacagt ttttacctgt aactgcatct gtggtatggt tttaaatgcg 240

ggaccagtcc ttaaaatgta catccacagt ccctttttgtg cctatattcc gcacatcacc 300

cttataaatt cttctggcca cagaatcaat cccaaagtta ttaataatga ctcaacactg 360

caaataacag ttttcgcctg tcattgtgat tgtgatctgg tttcaaatat gatattagtc 420

cttaaatata catccgcata attttgttat tagccctctc gtgcatatat gctgcacatc 480

attcttc 487

<210> 8781
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050g12b1

<400> 8781

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gccggccagc cggtgtggaa cgacaacgag gcgctcaccg tcggcccgcg cgggcccatc 180

ctgctggagg actaccacct gctggagaag atcgcccact tcgcgcgcga gcgcatgccg 240

gagcgcgtcg tccacgccag gggcgccttc ggcaagggct tcttcgagtg cacccacgac 300

gtcaccggcc tcacctgcgc cgacttactc cgcgcgcccg gtgcgcgcac c 351

<210> 8782
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h01b1

<400> 8782

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acctcgtcgc ccccgcgcag gcgtgctccg tcgtcgtcgt cgtcgcggcc gtcaaaggag 120

aacgattcca cacggagttg ctgtttttat ccgagaagcc cggatactcg ggattgcgcg 180

ggggaggcag cggtccattc ctgcggtcga ctcggttctt gataggctag taaaaagaga 240

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gctttcgtgg agggcggcgt gcatgacgcc tgcgacgac 339

<210> 8783
<211> 128
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h02b1

<400> 8783

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agtgctctgc tttccttcga ggccccctggt cagaggtgtc cctgctttgg gtatgcgaag 120

aataaatg 128

<210> 8784
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h03b1

<400> 8784

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ttcgcacctg ccaggggagg ttacagggag accatgttct ccccagttgg cgctggattc 180

ccgtcgctgc aacaaatgtg caatgcaatg aacagaagga accctatggt ccaggtttcc 240

gcttcctatg atgctacaaa tgatcggatg aggaaccgca gacatgatgg aaacactgtc 300

cagccagaaa acaaaaggct atttgagctt gacattgaac gcatagctta gggtgaagac 360

ccacgcacca cactgatgat caaaaacatt ccgaacaagt acaactgtaa actgcttctg 420

ggtgtcattg atga 434

<210> 8785
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h04b1

<400> 8785

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gcaggcctga gtgggtcggc gggctatcag atttctggga cagcataacc attgcatact 180

tgtcaatttt ctgcagctgc tgtgttttcg ggtggaatgt tcagaggctt gggttcggca 240

acatgtacgt ccacattgca acattcctgc tcttttgcct ggctccgttc ttcatcttca 300

acctggcagc agtcaacatc aacaacgaaa ccctgcgaga ggcgctgggg ctcaccggca 360

tcgcgctgtg cttcttcggt ttgctgtacg gcggcttctg gagaatacag atgaggaaga 420

gattcaacct ccctgggaac cccttctgc 449

<210> 8786
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h08b1

<400> 8786

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cggagaagtt caggacggcg gctgtgaggg cggaggcggt ggacacgtcc atcagcccgc 180

gtgtgagcgc gctgcggccg tccaagacca tggccatcac cgacatggtc agcgcgctgc 240

ggcaggccgg ggtgcccgtc atcggactcg ccgctgggga gcccgacttc gacacgccgg 300

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atgcagggac tatggaggct gggaaagcta tctgcaacaa gc 402

<210> 8787
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h09b1

<400> 8787

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gagaagttga ggcatacaag gagaaatcag cgagtctcga ggctttatta gcagaagcaa 120

accaaaaaga ggatgagttg tcagggaagt tggctcaagc taatgaagag aaggagaagt 180

atgaagaatt gtcaaacaag gccaccacag cgcatttgga agccgagaag caggtccaga 240

ctttacaggc tgatctagaa tctgcccggg gtaaaatgga agaggtggag aatgatcttc 300

aggccctggg tgttagagaa agctcagtac ttgacaagct taaatctgca gaggagcatc 360

ttgagcacag tgtaagggca ctagaacatg ccacttacaa gaaaattgat ctggaatctc 420

<210> 8788
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189050h10b1

<400> 8788

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gcgttttctt gtactggatg aagttgacca gctcttatca tgtaattacc gcgaggatat 120

gcataggata ctggagcatg ttggaaggaa acctagcact tcatcttcta gtcacatcct 180

tggaccactt gctaggcggt gtgaacgtca gacaatcttg gttccagcaa cagtgccgtt 240

ttcagctata cgcgcaacca ggagtcgggg ccatgatcca gatcttgtta gggctaatag 300

tgtacgtccg cttgactaga tcactgttcc aaggccgatg ctgtcccagg gtgaccctaa 360

ctgtgattct gcaacaatgt cagagaatca agctgcagtt gacagcttac caccatcctt 420

ggagcattac ta 432

<210> 8789
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a01b1

<400> 8789

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actgcggcgg gcggccgatg ccgccgcagc ccacggtgaa gatctactgc cgcgccaacc 180

ccaactacgc catgtccgtg cgcaacggca aggtggtgct ggcgccggac aaccccaagg 240

acgactacca gcactggatc aaggacatga ggtggagcac cagcatcaag gacgaggagg 300

gctaccccga cttcgccatg gtgaacaagg ccaccgggca ggccatcaag cactccctcg 360

gccagtcaca ccctgt 376

<210> 8790
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a02b1

<400> 8790

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gagagatata tagaagtaga aagatctcag ctgcaaacgg ggagtagtga tagtctagat 120

tctagaggac atggcggcac ttgtcactcc ggctgcttca gtggtgtccg ggctggtggt 180

gcggggccgg gagtccgccg ccctcctcga ggccttgctc caggggggct cgccgcagga 240

gcacggtggg atccgggagc tcgccgcgga gatccttctc tgctgcgacc gcgcactcgc 300

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gtctgagccc gac 373

<210> 8791
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a03b1

<400> 8791

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gcgcatgggg tgcagcgtcg tcctcggcgt tgacggcggc gccagcaaca ccgtctgcgt 180

ctgcatcccg gccgtcatgc ccttcgccga cccgctcccc gtcctcgccc gcgccgtcgc 240

cggatgctcc aaccagaact ccgtaggaga ggacaaggcg agggagacgc tggagcgagt 300

gatggcgcat gctctccaca aggctcgccg gagacgatca aacgtgagcg cggtctgctt 360

ggccgtagcc ggcgtcaacc accccatcga ccagcacaga atgctggac 409

<210> 8792
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a04b1

<400> 8792

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gaccatttcg gttggcattg ttgtgcttgc cacacttgtt ttggcatccg agggtcgcat 180

tgcccggaag gacttaggcc taaaccttgg tggtgtaggc ttggggaccg atacaggtgt 240

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gtctggatca gggtcgggat cagcctctgg ttcggggtct ggctcggggt ctggttcggg 360

cgct 364

<210> 8793
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a05b1

<400> 8793

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gtgcggcaag ggcaaggtct ggctcgaccc caatgaggtc aacgagatct ccatggccaa 120

ctcccggcag aacatccgga agctggtaaa ggatggtttc atcatcagga agcctcagaa 180

gatccactcc aggtctcgtg caaggagggc acatgaggcc aagcagaagg gccgtcactc 240

tggatatggt aagcgtaggg gtaccaggga ggctaggctc cccaccaaga tcctgtggat 300

gcggaggatg c 311

<210> 8794
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a06b1

<400> 8794

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gccttccagt ggactggggc agccgcgcgg aagctgaacg cggtgaagtc cccggggccg 120

ccggcggacg aggtgtcccc gcttgagtcg cggcggcggt gcgacgagga gggctcgggg 180

gggccggact cgtccccaga gtccgccgcg aagctggcac gcgcggccac cgcggcaccg 240

gagctcagcc ggcggcgaag cgcggccacg aagccctcgg gggtgaagcc gcctccacgc 300

gggcgcggcg ggcgccggtg gactggcggc ggggccttga tctcggcgcc gttcgagtcc 360

tccattcaag gggctaggtt tctctctctg accctctctc tctat 405

<210> 8795
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a08b1

<400> 8795

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aaggagagtg aaatagaaaa tgggtgtcgg gaatggatca gcagacgtga accagcagac 180

ggcgcgcaat gaaatacgag atgagaccgc gccgcttctt ccggtcaagg tggaggagga 240

gggattccat gagtttaatg gagcttcatt ctccggggca gttttcaatc tctcgaccac 300

catcgttggt gctggaatca tggccttgcc agcaagcatc aagatgctgg gcctcatccc 360

tggccttctg atgatcatct ttgtggcact gctcacagag gcatccattg acatgcttat 420

caggtgcagc caccaaggaa agatcacgtc atatggg 457

<210> 8796
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a09b1

<400> 8796

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ctgtgttgta ttgacaattt ggattgatgt acatacatat cagatgatcc ggtgttaccg 120

caaagaatgt ggctctagtt ttcc 144

<210> 8797
<211> 225

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a10b1

<400> 8797

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agtggctgcc ggtgacatac cggtgcctga ggtggaggta gcctccgacg ccgacggtga 120

cacaccggcg gcgaagccgg gcaaggcgcc caaggcggcc aaggccaaga agtccactgg 180

cccgaagaag ccccgcgtca ccccggccca cccgacctac gccga 225

<210> 8798
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a11b1

<400> 8798

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agtggctgcc gctgacatcc cggtgcctca ggtggaggta gccgccgacg ccgccgttga 120

cacaccggcg gcgaagccgg ccaaggcgcc caaggcggcc aaggccaaga agtccactgg 180

cccgaagaag ccccgcgtca ccccggccca cccgtcctac gccgaggtaa gcccccgagt 240

ccttcgccgt cgttcctcgt tccgtctgtt ctcccgtgtt tcccctgatc tgactttggt 300

tttgtccgtt cgtgcgtgct cagatggtgt cggaggcgat cgccgccctg aaggagagga 360

gcgggtcgag caccatcgcg at 382

<210> 8799
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051a12b1

<400> 8799

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gctaggtaag aaaaaccatg gcggcttccc gcgccttggc tgcactgctt gctgtggtgg 120

tattcatggt ctgctctccg gcgcctcgtg ttctcgccac tgaccccacc cagctccagg 180

acttctgcgt tgctgatata atgaaccctg tgattgtgaa tgggttcgtg tgcaagaaca 240

tgaagatggt aacggcgaac gacttcttct tgcccgggct taacaagccg ggcatgttga 300

acgctcaggg ctcggcggtg acaccggtga cggtgcggca gctgccgggg ctgaacacgc 360

tgggcatctc aatggcgcgc atcgacttc 389

<210> 8800
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b01b1

<400> 8800

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gagtccgtgc agcggcccga agaggcgcgt gctcgctcca agggcgaagg gggacgcgcc 180

ggatctcgcg gggcaagtgc gccagcgacc tgaggtacct tggtatggaa tgaagtgaag 240

agcgcagagt atcttggtct tactaatcaa tgcatcatat tatgtgcgca ataagatttt 300

gctatgcttt caccgtcgat gcccactggt tggatcatgc ttctgtttat gagctcattg 360

aagtaactct ctcgtagctc aaatgggcca attcctcatt tgcgtggcac acaaaacctt 420

cagctatcca tctccatatc agttggtctc tcttaatttt gtaatcttct ggaaatatg 479

<210> 8801
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b02b1

<400> 8801

ttcacgcgtc cgaatccttg gacatgataa agtttgggtc ttagatggag gtttccctca 60

gtggcaagct tctggattca atattggaag cagctgccct gatgatgcag ttctgaaatc 120

caaagctgct aatattgctg ttgaaacagc ttataatggt gaattggcaa atgctgccac 180

atttcagaca gagtttcgac atcagctatt gtggacacta gaaaaggtca aacacaatgt 240

agctgctaag gctcaccaag tagttgatgc ccgagtaaag ggcagatttg atggtgtaat 300

gccagaacca agggaaggag ttagaagtgg gcatatacct ggaactaaat gtgttccgtt 360

ccctgagatg tctgatggtg cacaaacgct cctccctgca gatgagctat c 411

<210> 8802
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b03b1

<400> 8802

caaaccgcaa aaaccattgg agcatcctct gtcttcctcc tctgcctcct ccttcctcta 60

cgtcttcctc ctccaccccc ttcctcatct caaccccact tcaactacag atccacctcg 120

acctcgagcg gcttcccatg gcgtcgccct ccggaaaccc taatcccaac cccaacccca 180

acgtcccctt cgagctcagc aggctcttca agcctccccc aaaccctaac caccccacaa 240

ccgtgccgac ccccactggc atcttcccgg gcgccccgcc cggcgcgccg atggtcaccg 300

ggccgccggg cccctactcc tacccgcccg ccaccccgcc cttccaccgc aaccagtacc 360

tcaactaccc caccgatccc aacgccgt 388

<210> 8803
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b04b1

<400> 8803

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ggccgtcggg acgcgcgcac gacgactcag gcagcggcga acagcaacct gccgtcgccg 180

tcgtcgagcg cggccacgct gatctcggcg ttcgcgtcca aggggctgga ctcccgcgac 240

atggtggcgc tgtcgggcgc gcacacgatc ggcgcggcgc ggtgcgcgag cttccggtcg 300

cgcgtgtaca acgacagcaa catcaacgc 329

<210> 8804
<211> 326

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b05b1

<400> 8804

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gctcttcttg ggtaatgctg gaactgcaat gcgtccattg acggcagctg tagtagctgc 120

tggtggaaat gcaacttatg tgcttgatgg agtaccaaga atgagggagc gacctattgg 180

tgacttagtt gtaggtttgc aacaactcgg cgcagatgct gattgtttcc ttggcactaa 240

ctgcccacct gttcgtatca atggcaaagg agggctacct ggtggcaagg ttaagctctc 300

tggttccatt agcagtcaat acctga 326

<210> 8805
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b07b1

<400> 8805

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gagcaggctc agatgggagg caagtgcccg caccgcaagg tcaaaaagcg ccgtctcaac 120

tgcaagcagg tgcgccgcgg caagttcctc gtcaaagccg acgacgccgt ctacgacgag 180

ctcgtcaagc tggccgacca gggcaaggat tccgagggca aggcgcttcc cgtcgacgag 240

gacctccccg gcatgggcca gttctactgc ctccactgcg atcggtactt cgcggatgag 300

accgtgaagg aggatcacta ccgctcaaag cgccacaaga aaagggtcaa gcagttgtct 360

ggaccagccc cacacacgca aatagatgcc gatctcgctg gtggaatggg aatgccggac 420

aacg 424

<210> 8806
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b08b1

<400> 8806

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ttcctcgcct acgtcgccgc cgggggcgtc tgcgccgccg tcctcgcctg cttcgtcgtc 180

tcctccgccg accccgccgc cgcacccaat ggcgcgcccc gcctctcctc gcgctccgcg 240

cgcgtctggc ccgatctcga gttcaactgg cggctcgtgg tggccaccgt cgtcggcttc 300

ctcggctccg cgtttggcac cgtcggcggc gtgggcggcg gcggcatctt cgtgcccctg 360

ctcaacctcg tcctcggctt cgacaccaag tccgccgccg cgctctccaa atgcatgatc 420

atggggg 427

<210> 8807
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b09b1

<400> 8807

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atgaagatct gagcagcgat agtgaggacg aagaggatga ggaagaggag aatgctgggg 120

ctggccagaa gaagaagggc tggttctcct ccatgttcaa gagcattgca ggtaacaatg 180

tacttgagaa gtctgatctg caacctgcac tcaaagctct taaagataga ctgatgacaa 240

agaatgtggc tgaagaaata gcagaaaagc tttgtgaatc agtagcagct agccttgagg 300

gcaagaagct aggatccttc acaagaattt cttctactgt tcagacagct atggaggagg 360

ctctccttcg cattttaact ccaaggcgat ccattgacat attaagggat gtac 414

<210> 8808
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b10b1

<400> 8808

tcgtccacgc gtccgggagc attctgtgat aacacctcag gggtgactgg agccacaagc 60

tggacatgtg tatgcactgt aatatcgcta ggtgaaccaa actccaacag cagcctgtca 120

tccagttgcg actcctcgtg ccattgccta cgagatgaaa acggcggcac agggtcatgg 180

aactgttcgt gccgctccga taaggccctt caggaagaag aagatggtgt ggtgcacagc 240

acgagttgct tcacttcctg taactgcaca tctggaaatt ctgaacaagg gaggaagcat 300

ttctctagca aaacagtcat tgcaacactc ctggtat 337

<210> 8809
<211> 282
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051b11b1

<400> 8809

tcttcctagc gtccctagta taaaagtcgt aaagaaaagg ccggcggtag agagcgagca 60

caaacaaaca cacgagcagg cgccgcgcgg cgctcactca cccgcagatc tctcgcccgg 120

ccctctcgat ccacctgagt ttcccgacgg ccgcaccgat ctgacggtgg cggcggcaga 180

ggaggcctct agggctagag ttttggcgtg atgcagcggt ctgggcgggg tctgcagcgg 240

tcgggttcga agcgtgtgct cgaccccacc aacggcactg gc 282

<210> 8810
<211> 374
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051b12b1

<400> 8810

tcgttccaaa gccccctcc ccctttctcc tctttccctc ccaagcaaat cctctgcgct 60

ccccacgcct ccttcttctt cctctgccgc ttgccgtgtt tgattcggga ccgaaatggc 120

attccacgac gaggcgccgc tgctgctcag gatcaacacc gccagaggcg gccacatggg 180

cggaggcgag tgcgacgagg ccgagaacca gcggtggccg ccgtggctca agccgctgct 240

ggcgaccagc ttcttcgggc aatgcaagat gcacgcggac gcccacaagt gcgagtgcaa 300

catgtactgc ctcgactgca tcaacggcgc cctctgctcc cagtgcctcg cctaccacca 360

cggncaccac gcca 374

<210> 8811
<211> 395
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051c01b1

<400> 8811

tcctcgcgtc cgcccacgcg tccggtgcta acatccactg cgtcctggct agcaatgatt 60

ggggttcttg caggtctgac ctttgtgatg gggcctctta aaatgctaaa gctctatgca 120

gtcccatatg tgatatttgt tatgtggctg gattttgtca catacttgca tcatcatggt 180

cacgaagaca aggttccctg gtatcgtgga aaggaatgga gctatctgcg cggaggattg 240

acaacacttg atcgggacta cgggttgatc aacaacatac accatgacat tggcactcat 300

gtcattcacc atcttttccc gcaaatcccg cattacaatc ttgtctaggc gactgaggca 360

gcaaagccag ttcttggcan gtactacaaa gaacc 395

<210> 8812
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c02b1

<400> 8812

tgcccccgca gccgccagcg accaagagcg gcggcgaccg gtcggcgggc gactcggctc 60

ccctgattcc ctccggtatg gacggccagg ctccacaccc catcgccgtc gcacccgaat 120

ccctgccgca cccacctccg actctggaga cggaggcgga ggatgacccc gtcgtcgtcc 180

ccgacacctc cgatgccgct tcttcggagc cctccaaggt cggcgccctt tcgacgtcgc 240

ctcttattaa ggcggaggac gacccagtcg tcgtccccga ctccgtcgaa cccgcttctt 300

cggtggcctc cgtggttagc gc 322

<210> 8813
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c03b1

<400> 8813

ttctcgcgtc cgcccacgcg tccggtgggg agaccatcag cgacaaggat cgctgtgggc 60

agtgcaaagg cgagaaggtg gtgcacgaga agaaagtcct ggaggtggtg gtcgagaagg 120

gaatgcagca tgggcagaag atcaccttcc ccggcgaggc ggatgaagcg cctgatactg 180

ttactggaga cataatcttc gtcctccagc agaaggagca ccccaaattc aagcggaagg 240

gcgatgacct cttctacgag cacaccctga ccctgaccga ggcactgtgt ggcttccagt 300

atgtcctggc tcatttggac ggcaggcagc tgctcatcaa gtccaaccct ggcgaagtcg 360

tcaagcctga ttcgttcaag gcgatcaacg acgagggcat gcccatgt 408

<210> 8814
<211> 53
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c04b1

<400> 8814

tcctcgcgtc cgatttttt ttgtttttt tgggtgtttt ttttttttt ttt 53

<210> 8815
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c05b1

<400> 8815

tggtcgcgtg ggcggacgcg tgggcttaac aatgctaggt acaaggactc gataacgaag 60

aacacccgtg ggtggaagga acggtggctc tctcggagtg acacgatatc gagtcttggt 120

tctgatgtga ggagggaggt taatgccgga atcgctgctg tgtctcgcat gatggagcgg 180

ctagaaacga gggatgggag tggctctggg ccctcatcgg cttcttcgga caatgtttct 240

tctgctacaa ataatcaggg ggccgcgtcg tccaactttt gtgcttccgt aaatg 295

<210> 8816
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c06b1

<400> 8816

ttttccgcc gcgatctcgt ctcgatccgc actctctatc tgagatttgg aatcgggtga 60

agcctgcagc tccagacgac aataagctcg ttttgcattc aggcagcggc aacaagaatg 120

ccttcaaggc acttattgct gcagagtact gtggggtcaa ggttgagctc cccaagaact 180

tcgagatggg tgtatcaaac aaaaccccctg aattcatcaa gatgaacccc cttgggaagg 240

ttcctgttct tgagactcct gatggtgctg tttttgagag caatgctatt gcacgctatg 300

ttgctcgctc aaag 314

<210> 8817
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c07b1

<400> 8817

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gtgccgccgc cgccgtcgcc gcccgcgtcc ccccatggcg ctgccgaacc agaacaccgt 120

cgattacccc agcttcaagc tcgtcatcgt cggcgatggc gggactggca aaaccacttt 180

tgtgaagagg catctcactg gagagtttga gaagaaatac gagcccacca ttggtgttga 240

agttcaccca ttggatttca ccactaactg cggaaagatc cgtttctact gctgggacac 300

tgctgggcaa gagaagtttg gtggccttag agatggatac tatatccatg 350

<210> 8818
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c08b1

<400> 8818

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cacctctgcc gccgccgcgc gctcagatgc caatcctccg tcagattttt cgtctcctcc 120

ggcgacctgg cgtcgccatc tctcatgacc cactgcgccg cctctcctct acctcgcgac 180

ctctcctctc tttcatggcc tctgccccgc cttactggtc gccacaaccg cttgcacggc 240

gaagtttccc tctcatgatg gttccagatc tacctgtccg tcgtgtttcc cgatttccac 300

ctggatctcg gagcatgact agtgggacaa ccttgcaaga tatgaatact atagccggca 360

aacatgatgc atcttcgaat attgtggaca tctct 395

<210> 8819
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c09b1

<400> 8819

tcgtagaaac tgcagaattt gctaggaagt gggttccgtt ttgcaagaag cacaacattg 60

aaccaagggc cccggagttt tactttcagc aaaaaatata ttacctaaag gacaaaatcc 120

agccttcttt tgtgaaggaa agacgagcaa tgaagagaga gtacgaagaa tttaaaatac 180

gaatcaatgc acttgttgcc aaagcccaaa aagtgcctga agaggggtgg accatggccg 240

atggcaccgc ttggcctggg aataacccta gggaccatcc tggcatgatt caggtgttct 300

tggggcacag tggtggcctt gacactgatg gtaatgagtt gccacggctt gtgtatgtct 360

ctcgtgaaaa gagaccaggt ttccagcatc acaagaaggc tggtgcaatg aatgcac 417

<210> 8820
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c10b1

<400> 8820

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ggctgcccac gaccacatgg ggatcggccc cgtgctccgg cagtgcggtg agctcttcga 120

ggggcttgag actctcactg actgcggtgg tggtgatggg actacggcca ggtccatcgt 180

cgaggcctac ccgcacatca agtgcactgt gctggacctt ccaaaggtca tggacaaagt 240

tcttcttccc gctcaagaag aaggagcggt taagtatgtt tccggtgacc tgttccacgt 300

cgtcccacct gctcaagctg tgttgctcaa gcttgttctg cacttctgga gcgacgagga 360

ttgcatcaag atcctcgcac aat 383

<210> 8821
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c11b1

<400> 8821

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tgtgctgtgc tcatcattga ttataccact ggtggttttg aggctggtat ctccaaggat 120

ggccagaccc gtgagcatgc cctccttgct ttcactcttg gagtgaagca gatgatctgc 180

tgctgtaaca agatggacgc caccactccc aagtactcaa aggcccgtta cgaggaaatt 240

gtcaaggaag tctcttcgta cctgaagaag gtcggctaca accctgacaa ggttcccttt 300

gttcccatct ctgggtttga gggtgacaac atgattgaga ggtccaccaa ccttgact 358

<210> 8822
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051c12b1

<400> 8822

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cgcaaaggag tatttcaaat agccattctt gaccccacac acatgttcat ccagcctaat 120

atgggagatt acatcaaaag taagatggcg gagttcagag accagaacag ctatgagaag 180

ccaacgtgaa gggccaccat ccattaccgc ggtgccagct tccatccatt accgcggtgc 240

cagcttcaag aaactccatc aagagatacc tatgttgatt atcgctatgt agaatggtta 300

tatgctgaga ctgaacgtca tgtctctctt gtgatgttct gtttcctact tctgagccaa 360

tttatgatac agagttctgc gtcttatgta tcttcg 396

<210> 8823
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d01b1

<400> 8823

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cacatcttgg tcccagccag agtcagcatg ctccgcagag tgctggctca agcatggccg 120

ggcaagaagc tgctggggct cccagacctg ccgggacgca gtttggtggt gggcagtcga 180

cgtggcaacc gccggactgg gcaattgagc cgcgccctgg ggtttactat cttgaggtga 240

tgaaggatgg gagtgccatt gataggatca atctggacaa gaagaggcat atatttggga 300

ggcaggtgcc tgctt 315

<210> 8824
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d02b1

<400> 8824

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agaggatcaa gagctgattg gtgtggtcgg ttagccatgg ctgtcgtgaa ttttgtcaag 120

gcgcacattg ggcagagccc aaagctacag gggcgtactc ccaggagggg cagcggcgtg 180

gtcaggagct cgctgcaggg cgccgtcgtc gggaacaggg cggagtggct gaccagctgc 240

gcggtgctct ccagcaaggt ggccgcgctc gccccccact ccaccaacag ccacctcgcg 300

ctggcggtgg cggcttcgaa cggcgcggtg ctggacttga tccctctgga gactgttgat 360

ggcagcgcac gccac 375

<210> 8825
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d03b1

<400> 8825

tggtttcaag ggagctgaga ttgccatggc ctcatactgc tctgagctcc agttcttagg 60

caacccggtg accaaccatg tccagagcgc cgagcaacac aatcaagatg tcaactctct 120

tggtctcatc tcctccagga agaccgccga ggccattgac atactcaagc tcatgtcctc 180

cacattcatg gtcgccttgt gccaggccat cgacctccgc catctggagg agaatgttaa 240

ggatgccgtc aagagctgtg tgaagatgac ggccaggaag acattgagca ccaccaacaa 300

tgggcacctc cacaatgcgc gattctgcga gaaggacctg ctgctcacga ttga 354

<210> 8826
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d04b1

<400> 8826

taataacagt gggaaaaaga ggctgggctc ctcgaatctc tcaccatcta tctcccgtgg 60

cttccttgtc tgcctgccca cgacttgcct acgccttgcc ttcggggttg gtgagcgagc 120

gagctcggga tcagttggcg actacacacc cagagttcca ggttcttgga ggagggggga 180

agccatgggc agcttcgcca agctggccaa gaggtgcgtg gagacggagg cgccggtcat 240

ggtgaagata caagagctgc ttcgaggggc cacggatgtg atgtcgcttg cgcagggaat 300

tgtttattgg caacctcctg aggcagccct gaacaaggtc aaggaaattg ta 352

<210> 8827
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d05b1

<400> 8827

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atcgcatcgc aaccgccgca tcggcgagtg agccgcgcca gcacggtgct ccgagcctgc 120

ctgcctgggc gagcctcggc gcgggcggtg gccgggttag agagggggag gggacgagga 180

gatcgaggga gagagggagg cgacgcgatg gcgcgggagc ggagggagat aaagcggata 240

gagagcgcgg cggcgcggca ggtcaccttc tccaagc 277

<210> 8828
<211> 362

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d06b1

<400> 8828

tcctagtcca cgccgcgcag gctggaagag ctcgaatttc ctcactcccg cgtcgcctcg 60

cctcgcctct gctcgctccg gagaaggcta gctgccccgc gagccgagcg cggcgcccat 120

ggcgttcgac aagatccagg tcgccaaccc catcgtcgag atggacggtg acgagatgac 180

acgaattata tggaaatgga tcaaagataa gcttatattt cctttcctgg acttggatat 240

aaaatacttt gacttaggtc tacctaaccg tgatgctact ggggataaag taacgataga 300

aagtgcagag gctaccctaa agtataacgt ggccatcaaa tgcgcaactg tcaccccaga 360

tg 362

<210> 8829
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d07b1

<400> 8829

tctttcacgc gtccggcgaa cacaagctac tagccggtac ttggagaaac caacaatggc 60

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attcctgacc ccgacggcct tggcggcggg gggaaagacc ggccaggtga cggtgttctg 180

gggacggaac aaggccgagg gctccctgcg tgaggcctgc gactccggta tgtacaccat 240

ggtcaccatg tccttcctcg acgtcttcgg cgccaacggc aagtaccacc tcgacctctc 300

cggccatgac ctctcctccg tcggcgccga catcaagcac tgccagtcca agggcgtccc 360

tgtctccctc tccatcggc 379

<210> 8830
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d08b1

<400> 8830

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agccggccgt cgctccggcc ggactgaagt gtagatatgt gcgaagaaga aggccgcctc 120

cagcaaatgc gctatggttg ctcgatccca cacctttgtc ctgttcagtg gctccagtct 180

ttgcatcatc agctgctacc gttcctcggc ttgtgcatat gtcgatgtga ccgtccattc 240

gtacgtcgac gtgttccgga gttcgccatg tttgcttgct gctgtttctt ccaagtgtgc 300

tatccattta ctcgctctat gtatgtatgt atgcatgtgg agaatttgtg aatcaaagaa 360

ttggtatcgt ttgtgaaatt ttatttttact tgcaaagaaa gagcttccac agcttc 416

<210> 8831
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d09b1

<400> 8831

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atattgtgac ggcttctcca cttgaatcaa ggacctgtat gccttagcat tcaaatatga 120

gtagcgattt ccagttacaa gtttgctcga caatattgag taggatgtaa gcacatataa 180

ggaccagttg caaagaggcg ggcctggaca tctgagtatg ttgtgataca tagatatacg 240

tacctgcact aggttattgt gattctgttt caaataagtt gtaccttgtg taaaagacac 300

agcttgtaag gcttgtctct tctttgctaa aatatatata atccctcata gtat 354

<210> 8832
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d10b1

<400> 8832

tctttccaag caacgcatac cactgcttca cttactcgat cggccaaagc aagcaagtga 60

ggtgatcatg ggcggcgggc acgacatgca cggcggacac aacggcggcg tgaagggctt 120

cgtgtccagc ctcgtcggcg gcggcaaaag ccacgggtac ggcggccagg ggcacggctg 180

cgaccagggc tacggcggcc acgggcagca gcagcagcac ggctacggcg gccacgtgca 240

gcagcacggc tacggcggcc atgggcagca gcaggggtac ggcggccacg ggcagcacgg 300

gtaccctccg cccgccgccg cggtttgccc cccgtacggc ggctacccgg cgcaaggcta 360

cgcgccggcg gcttaccccg cgcagcccgc gccacaccac ggtgggcaca tgggatcgta 420

ccacac 426

<210> 8833
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d11b1

<400> 8833

tcgttgacgc gtgggcggac gcgtgggcgg acgcgtggtg gaagctggct gagagtgacg 60

gagtctgtcc tctcttcttc ttcttccacc tcgcacctcc ttcttgttgt tcccgtcacg 120

gtgcagcaag caaacaaacc aacagatcga cacagatccg gtggcctcac ctcaccggat 180

ctccccgttc cttctcgtct tgctctcgac tcgactggag tggaagcaaa gcaaaggaaa 240

gcaattatct tgactgattg atggggaaga agcccaagtg gct 283

<210> 8834
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051d12b1

<400> 8834

tctttcacgc gtccgtagct agccatggca tcttccaaga gtagtcttgc aatgtttgca 60

ctggccatag tcatggccgt ggtggctgac gtctcggcgc agaacacccc gcaggacttc 120

gtcaacctgc acaaccgcgc ccgcgccgtg gacggcgtcg gccccgtggc atgggacaac 180

aacgtggcca ggtttgcgca ggactgggcg gcgcagcgcg ccggcgattg ccggctgcag 240

cactccggcg ggccgttcgg cgagaacatc ttctggggtt ccgggcagtc gtggacggcc 300

gccgacgcgg tgaagctgtg ggtggacgag aagcagaact accatcttga cagcaacacc 360

tgcgacgccg gcaaggtgtg cgggcactac a 391

<210> 8835
<211> 353
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051e03b1

<400> 8835

tgttcttctg gtgcttcatg gattcagttt gatgagccca cccttgttaa ggaccttgct 60

gctcacgaat tggccgcgtt ctcttcagca tatgctgcac tcgagtcggc actctctgga 120

ttgaatgtgc ttattgagac atactttgct gatgttcctg ctgaatctta caagaccctc 180

acatcattga gtggcgtgac tgcctatggt tttgatcttg ttcgtggaac caagacgctt 240

gagcttatca agagcgctgg tatcccatct gngaagtact tatttgctgg tgatgtagat 300

ggaaggaaca tctgggctga tgatcttgct gcatctctca gcactcttca gtc 353

<210> 8836
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e04b1

<400> 8836

ttcattatac atgggcaaat aaaatttctg ctccccgtgg acagatttat ggctacagaa 60

tgtccctctg ggctgagcat attggaatta tcgaggaaga ctttaaccat ccagagagcc 120

tagagtgcat gaggcgggtt cgtcaactcg ggcaacataa ctgggatcag ttctttgcaa 180

atgaggtgac tgagatgaga ggccacctcc tcaagtaccc tgtaagtgtt gaccgtaaag 240

gcaaggtgaa acccttgcca ggatgtgcga cattcccaga catgggcgga aacatttgtg 300

gctccttcac ggccatccag gaaaacctca caatatgaat tctgcttatg caagcatgca 360

attgttggtg acttcttggg tattatggac aacagagatg ccgaagtagc a 411

<210> 8837
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e05b1

<400> 8837

ttcacgcgtc cggccggcga ggactccgac ccgctggtgc tcggcctcgt cccctgcgcg 60

gtcggcggca ccaggatctg gatgtgggct aggggccagc cgctgtacga ggccgccgtc 120

gccagggcgc gcgccgccgt ggcgggcggc ggcggggcgc tcggcgccgt gctgtggttc 180

cagggcgaga gcgacaccgt cgaggtcgac gacgcccgcg cctacggcgg caacatggag 240

cgcctcgtcg ccgatctcag ggaggatctc ggctcgccca atctgctcgt catccaggtt 300

ggtcttgcat caggggaggg gaattacacc gacatcgtaa gagatgctca gaaaagtatc 360

aatctttcca acgtgattct cgtcgacgcc atgggcctgc cgctcagcga cgacca 416

<210> 8838
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e06b1

<400> 8838

ttctaagttt agttgagaga tcgccggcgg ccatggcgac tgaacagctc aacgtgttga 60

aagcactcga tgttgccaag acgcaactgt accatttcaa ggcggtcgtg atcgccggca 120

tgggcttctt cacggacgcc tacgacctct tctgcatcgc cctcgtcacc aagctgctgg 180

ggcgcatcta ctacaccgac cctgccctca acgagcccgg ccacctcccg gcaaacgtgt 240

cggccgccgt gaacggcgtg gccctatgcg gcacacttgc cggccagctc ttcttcggct 300

ggctcggtga caagctcggc cgcaagagcg tctacggctt cacgctcatc ctcatggtcc 360

tctgctccat cgcgtccggg ctctcgtttg gacacgaggc caagggcgta atgggg 416

<210> 8839
<211> 363
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051e08b1

<400> 8839

tctttatcat gcggatgaga aggataacaa ggatgctgca aaacgatttg ggacaaggca 60

cgcccttgtt ctttatgact tcgcacctag cacacgcaca acagatttgg aaaggatctt 120

tgagaagttt ggagaccatg gagttgccat ccgctgggtc aatgattctg ttgcacttgc 180

agttttccgg accccatcat ctgctaagga tgcacaagct tgcgtgcctc caagatacaa 240

agtacggtca ctaaaggata atgacgatct cttggcaaaa atcgacggta cagacctaga 300

accgccgaca ccaagaccaa agacatccgc gagaacggcg canaggctga tcgcccacgg 360

gat 363

<210> 8840
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e09b1

<400> 8840

tcgtagagat atggagaagt ccaaaggaca aactgtggtg ctcagcactg gtttgaagga 60

caaaactcct gcctcagaga tgatggggga tgctgatgag gaggaagaag aggaggcgtt 120

ggaggatttc aggatctccg aggatgatga tgatgaagat gaaggagaag atgatgaagt 180

gactcatttt ggcttttaag gttgattgag ttgaacaggg catttactgg agggtgttca 240

ggaggacccg gtcgggagtg gtgtttgttt cgaggttatt acagtggaaa tgaaatgcca 300

tcgatatcac taggtggatc actgccgtta gtctgtaaat caactcgcac tataccaaac 360

tcgctgcaat ctcatgatga actgaac 387

<210> 8841
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e10b1

<400> 8841

cttgccaacc cgtgtgactc aaccatgtcc agagtgctga gcagcacaac caggacgtga 60

actctctggg ccttgtctcg gccaggaaga ccgccgaggc cgtggacatc ctcaagctca 120

tgtcctccac atacatggtg gcgctgtgcc aggccatcga cctccgccac ctggaggaga 180

acatcaagac ctccgtgaag aactgcgtga cgcaggtgtc gaagaaggtg ctgaccatga 240

accccaccgg cgacctctcc agcgcgcgct tcagcgagaa gagcctcatc accgccatcg 300

accgcgaggc cgtgttcagc tacgccgacg acgcctgcag cgccaactac ccactgatgc 360

agaagctgcg cgccgtgctg gtcgaccacg ccctgaccgc cggccccggc gaggccgaga 420

gcgaggccac ggtgttctcc aagatcaaca agt 453

<210> 8842
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051e11b1

<400> 8842

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aagtgggagg atgagcgcgc gagcaccacc gccgccgacc atgccggagt gcgactgggc 120

ggtcaggcgg atccgcaagg agctgaattt gctctggctc gacccccccgg cgttctgccg 180

gcccggcccg gcgcccgtga cggacctgtt ccactgggag gtggtcatcg atgggcccga 240

cggcagcccc tacgccggcg gcacgttccc cgtcgacgtc gcgatcccca agaagtaccc 300

catgaagccc ctcaagatca ccttcaaaac taaggtgtac catcccaaca tcgggccgga 360

g 361

<210> 8843
<211> 432
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051e12b1

<400> 8843

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tgccactcgt ctcgcttctt ctgattactg gaggaggcag tcatcatgtg agcttcgcca 120

atgcggccac ggcgaactcg gtgacgccga gggcgtactg ggaggcggtg cttcccggaa 180

ctccaatgcc cccagccgtc agcgacctgt tactccaaca agaagtgcgt gcctctctag 240

atggtgttga cctcaagttt gtcaaaggac tacgaaaaat tggaccatat tataagaaac 300

tcaagtcaga agctgatcaa ggggaagacc atagtcatgc tgcatcacaa gctgaacata 360

atttcaagga ggtctctntg tcgtatggat caaaaggtgg agacaattta aaggaggtct 420

atgtgtcata tg 432

<210> 8844
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f01b1

<400> 8844

ttatattccc tcttctcgct cgttagggtt aggtctcccc cggcgcggcc caatccgcaa 60

atctcgacga cggcgccaag cagcgagcgg atccagtcga tctagtcccg cgccgacgag 120

cctatggcga cggcggtgct cagatcccac gacgcgctcg ccaacaggat gcatctcgac 180

gccttcgccg cgtcccccca ggccgccaag cagcgccgcc ggcgccaccc caagccggcc 240

tcgcc 245

<210> 8845
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f02b1

<400> 8845

ttctcgcgtc cgccacgcgt ccgcgtccgc atggcaccgt acaccaacca aacactcgcc 60

tgccttcctt ccttccttgt tcgttcctcg acgcacgcac gcagatctca tccatccaag 120

ccaaggcagg tcaggtcagg tcaggtacga gatggctctc accagaatgg gtctcgctgg 180

cctcgcggtc atgggccaga accttgccct caacattgcc gagaaaggct tacccatctc 240

tgtctacaac aggacaacgt acaaggtcga tgagactgtt cagcgtgcca agctagaagg 300

aaaccttcct ctctatggtt tccatgaccc tg 332

<210> 8846
<211> 106
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f03b1

<400> 8846

tatatgtccg gccgtagcgg gtgatagccc cgtacacgta gaacactcat tgtccttgag 60

taaggcggga cacgtgaaat cctgtctgaa catggggaga ccactc 106

<210> 8847
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f05b1

<400> 8847

tatggtcatc tccacaatgc gcgcttctgt gagaaggact tgttgctcac aatcgaccgt 60

gaggcggtgt tcgcttacgc ggatgacccc tgcagcgcca actacccact gatgcagaag 120

atgcgtgcag ttctcgtgga gcatgccttg gccaatggtg aggctgagcg cgatgcggag 180

acatcagtgt ttgctaaact tgccatattt gaacaggagc tccgtgcagt gcttccaaag 240

gaggtcgagg ctgcccgaag tgccgtggag aacggtactg ctacacaaca aaaccgtatc 300

accgaatgtc gatcataccc tctctaccga ttcgtgcgca aggagcttgg aactgagtat 360

ttgaccggtg agaagactag gtctcccggt gaagaggtgg acatggtgtt cgttgctatg 420

aaccagggca agcacattga tgcactactt gagtgtc 457

<210> 8848
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f06b1

<400> 8848

ttttctcggc gggagggcga gagggagagg ggctgacgtt acccccccgca cagatcatca 60

atcaaaccgg agcgagctcg cgtcaattcc accgccaggg cgcgcattaa tcagattgga 120

gtcgcggcct gagccgctcc gcccgcgacc acccctcgga tcgacccggc ggacggagga 180

ggcgcgcgcg cgcgggctgc ggagcggggc ccgggggcga ctaccccact gcatcggcga 240

tgccgagcgg ggcgtgcgcg gcgcccgccg cccccgaccc cgaggaggac gcgctgttta 300

tcgatttact acatgaagct cccctgtctg gccatcgaga gcctaggagc atagtcagtg 360

gcaccttgta ctgtatattg ttggtagggt atgctg 396

<210> 8849
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f07b1

<400> 8849

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gcatgaccac ccgaagcccc tctccacgcg ccgcaactcc tcctccggct atgccgcggc 120

ggtcgttgcg gaggatcata ccaacggctc ggagcactct ggcccgacgc ccgcgaattc 180

atctgtcact ttcggagacg atgaggccga caacgggttg cagctcagtc atggcgcgga 240

gcccgaggcc aagcgccggt aagtaattca tcattgcttg ccaaatacta cctctatata 300

gattcttaga ttaatttgaa gattgtgtgt ttggttggtt gtcaggaagg agcatggtga 360

caac 364

<210> 8850
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f08b1

<400> 8850

ctccaggcat tctttttca caatgaataa tgtctgctct tcgactggag cagttcttcc 60

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atccaagagc aaatcatgaa cctcaagttt tcttagcacc tatgccaaag agaagaagat 180

tgttgcttct ggttgtgagt gaatctaaga gttaacatgg tacaatatct tctcgaagat 240

gatgtattcc ttcataaaaa aggatgttcg agaagttatt attgaagagg agttcagtct 300

catgtgattc tcaagagcta aaatggaaca agaagtgcag gcctgtcatg tctacactaa 360

ctaatcagaa aaaacgtggt 380

<210> 8851
<211> 433
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f09b1

<400> 8851

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ggcttaactt attgccgcaa tttggttgac attgatagcc tcatatgatt tacaatgcct 180

ctgtccgagc aggaggacat ttttgagtgg caatttgcta tcctggggcc ccgagacagc 240

gaatttgagg gaggaatcta ccatggacgg atccagttgc cctcagacta cccgttcaag 300

ccaccatcct tcatgctgct cacgccaagt ggaagattcg agattcagaa gaagatatgt 360

ttgagcattt ccaattacca ccccgagcac tggcagccat cgtggagtgt acgcacagca 420

ctagtagcat tga 433

<210> 8852
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f10b1

<400> 8852

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gcggatcgcg gtgctggaca agcccgacct actggacgcc gactacttct accgacacga 180

cctccccctc ctgctgcacg gtcgtgaccc ggacccctac ctcgccaagc ccgagctggt 240

gcagttcatg cagtggaagc tctatcgcgg gaagcggagg ccgaggctga tggatttcgt 300

gaaaagctt 309

<210> 8853
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051f11b1

<400> 8853

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cgaccggaga aagaagaaga agagcaagat gtcgtcggtg ttcagcggcg atgagacggc 120

gcccttcttc ggcttcctcg gcgccgccgc cgccctcgtc ttctcatgca tgggggcggc 180

ctacgggacg gccaagagcg gcgtcggggt ggcgtccatg ggagtcatgc ggccggagct 240

cgtcatgaag tccatcgtgc ccgtcgtcat ggcgggagtg ctcggaatct acggcctcat 300

catcgccgtc atcatcagca ccgggatcaa ccccaaggcc aagccctact tcctcttcga 360

cggctacgct cacctctcat ca 382

<210> 8854
<211> 458
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189051f12b1

<400> 8854

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aagaagcatg gaagaggagg gcaatctgct ctgcgttttg ctcgccttcg gatggagaag 120

cgtcacaatt atgttcggaa aacagctgaa cttgctactc agttcttcat caacccagct 180

accagccagc ctaatgttgc gggactaata ttggctggtt ctgctgattt taaaacagaa 240

ctgagccaat ctgacatgtt tgatcagcgc cttcagtgca aaatacttaa tgtggttgat 300

gtttcttatg gtggcgagag cggtttcaac caggccattg agttatcagc tgaaattcta 360

gcaaatgtga agttcataca agagaagatg ttgatcggga agtactttga agagattagt 420

caggatactg ggaagtatgt ctntggagtt gatgacac 458

<210> 8855
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g01b1

<400> 8855

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tggatcccct ggacagtctg atataccgtc cattgcagca gttgttggtt ctcgggaatg 120

gcctcttgtc tcgaaatata gggcttcagt gcgctcgcag tcaccaaagc tcgaaatgat 180

agattcattg ttcaagccac aaggaactga tgatgatggc cttgttcggg agtgtctcat 240

tgacttctac accagttctg gaaaaaggaa accagatcag atcatcatct tcagggatgg 300

tgttagtgag agccagttta atcaggtgct gaacattgaa ttggatca 348

<210> 8856
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g02b1

<400> 8856

tttgttatca tctgtgacga gaagctcaaa accatctttc ctgggaggga cacggttcat 60

atgatggagg tcaccaagct cttgtcccct catttcgtga agactatcta aggctgtcga 120

gtgggggggcc aacgcttgtg ctttctgccc agggctagcg ttggaatgga aggcttcttt 180

tgcgatccct gtccaagtca tggttctact aggtagttaa gttaatacgg agttcagact 240

tcagactttg 250

<210> 8857
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g03b1

<400> 8857

tcgttggctg agggtggtgg cgtggagggc tgctgggcct tgcggggcat ggtgcttggg 60

ggctggcgtg cttggatgcg gtggtgggtg cgctcggagt ggcggcgagg gtttcccaga 120

tctgatctgg acggtggtgg atcctccggc cgcttattcg cgggcggcat gggctgcggc 180

ggattgggcc tgccagcggc gcgcgggggt tgctacgc 218

<210> 8858
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g04b1

<400> 8858

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ggacttcgcg agcggcgacg gggaggcctg gcgtgcggcg ctgggcgcgt acgaccgccg 120

gctcgcggcg ctggacaagc ccgacctcct ggacgccgac tccttctacc gccacgacct 180

ccccctcctg ctgcacggcc gcgacccgga cccctacctc gccaagcccg agctggtgca 240

gctcatgcag tggaagctct cgcgcggcaa gtggaggccg aggctgatgg atttcgtcaa 300

aagcttggat gacaaagttg tagagtcagc gtcac 335

<210> 8859
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g05b1

<400> 8859

ttctttcgta cgtccacgcg tccggcaaac tctgtatgta agcgtctgta tcacatgaca 60

aagaatgatc acctttggag aatggtttgt cagaatgcat ggcgcaacca tgctactctg 120

gctcttgaga atgtggctgg tacaaaacgt ttggcatggg gacggatagc acgggagccg 180

actacactgg aagccgtcac ct 202

<210> 8860
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g06b1

<400> 8860

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gccctgtggc ggaagatatg ttccactggc aagcgacgat catgggtcca tcggaaagcc 120

catatgctgg tggtgtattt ttggttacta ttcacttccc cccagactac ccattcaagc 180

cacccaaggt tgcatttaaa acaaaggttt cccacccaaa tatcaacagc aatgggagca 240

tctgtcttga tatcttgaag gagcaatgga gccctgcatt gacagtttca aaggtgctcc 300

tttcaatctg ctctctacta acggacccaa accccgacga cccgttggtt ccggagattg 360

cacacatgta caagagcgac cgtgcgaagt atgagtccac agcgaggagc t 411

<210> 8861
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g07b1

<400> 8861

tcgtctagct aaacagtaaa cagagagctc tccgtgaatg atgtcgagga agaggaagaa 60

gaagaagtgt ggagcacgct gctgctacct ggtcgcgctc tcagcagtgt gaatttccag 120

aagcatgctt gccgtgcctt cttccgggtg caccggaggc cggcatgtga ccaggggtgc 180

ttcagtgatg cagaagaaaa aaggcaagtc ttatcggcaa gggaaggcta cgcctttctt 240

ccaggtctcc ctctctccat ctaaatccgt gtttggagga gggggctacg gctagtttac 300

ccaccggttt accgtgtcct tgtgagttgt ggtcattatc atgcactcgt cagttgcttg 360

tcatgtatgg tgtgcttgaa ttttcagcta cataatggtc ggttgtgtca gt 412

<210> 8862
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g08b1

<400> 8862

tcttgacatt cttccgactt taatgccttt gattcagcaa aatttggctc ggacagatga 60

tgagtcctgg aaggagcggg aagctgctgt tttatcgatt ggtgctatag cagagggatg 120

catcactggg ttatatcccc accttccaca gatggttgcc ttcctaattc cacttctcga 180

tgataagttt cctcttattc ggagtattac ttgctggacc ctctcccgat acagcaagtt 240

cattgttcag agccttggcc atccaaatgg tcgcgaacaa tttgataaga tcctcatggg 300

tttgctaaga aggatattgg atactaacaa aagagtgcat gaagctgcct gttctgcatt 360

tgcaacgctt gaagaggagg ctgcagaaga ctagtaccgc gactggaagt cattttgcag 420

caccttatgt gtgcata 437

<210> 8863
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g10b1

<400> 8863

tcgttcttct cctctgatca gtgtggagta ctcaaatgga tgggacacca tgtcaggtgg 60

aggctgcgga tcatccggtg aggttggcga tagctttagg ttcaaccttg aagaggtcga 120

gtgtgcgact cagtacttct ctgaggttaa cttgctaggc aagagcggct ttgctgcgac 180

gttcaagggg atcctgaggg atgggtctgt tgtggcggtt aagagcctca ataagacaag 240

ttgcaagcaa gaggagtctg atttcctgag aggtctgaag acgctcacca tgctgcggca 300

tgagaacctt gttggcctga ggggcttctg ctgctccagg gggaggg 347

<210> 8864
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g11b1

<400> 8864

tcgttcacgc gtccgctccc ccaccccttt cttcttcctc cccacgcccg ccgccgcccg 60

ggacctaggg tttcctcgcc gccgccgccc ccgccgccga atcgccgcag gaggaggaga 120

tgggcacgcc ggagacctcg cgggagccgt gcccggaccg catcctggac gacgtgggcg 180

gcgcgttcgg gatgggggcg gtgggcggct ccgtcttcca tttcctcaag ggcacctaca 240

actcgcccaa cggcgagcgc ctgctcggcg gggcccagca ggtgcgcctc aacgcgccgc 300

gcgtcggcgg gagcttcgcc gtctggggcg gcctcttctc cgccttcgac tgcaccatgg 360

tcttcgtgcg ccagaaggag gacccctgga ac 392

<210> 8865
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051g12b1

<400> 8865

tcgtgctcca atggcgttct cctccctcgc cacccttcc tcctcctccc cctcctcgtc 60

tttcaccctc cccaccaagc cctccccggg cgcaggctcc ctctccttct ccagggcgtc 120

cacggggaag ttcaggatgg cggcggtgag ggcggaggcg gtggacacgt ccatcagccc 180

gcgggtgagc gcgctgcggc cgtccaagac catggccatc accgacatgg ccagcgcgct 240

gcggcaggcc ggggtgcccg tcatcggact cgccgctggg gagcccgact tcgacacgcc 300

ggcggtgatc gccgaggctg ggataaatgc aatcagggat gggtctacta ggtacacacc 360

taatgcaggg actatggagc tgaggaaagc tatctgcaac aagcttcagg aggagaatgg 420

tctaacctac agcccagatc aggtgctagt gagcaatgga gctaaacagt gcattacac 479

<210> 8866
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h01b1

<400> 8866

tttcacgtaa gcatctacgg agtagcacac attacttgct tagctcaaga aatggccaag 60

ggagcggtga tgcttcttgt gctcttcacg gtgctgtcag cggtgagcca agcccagctg 120

cagcacgggc ccggccacag gaccttgtcc cacgggcacc gccggtccgc cgaccgagcg 180

gcgccgacgc acctccactt cttcttccac gacaccgtga gcggcgcgtc cccgtcggcg 240

gtgcggtggg ggggtccggc cgacccgtcg tcgcggacct tcttcgggat ggtgaacgtg 300

atggacgac 309

<210> 8867
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h02b1

<400> 8867

ttcctcgcgt ccgcccacgc gtccgcccac gcgtccggcg ttcaggaagc aggcgagcaa 60

gttcaaggag caggtcgcca agcagcagca ggctgtgata aaacaattca gcactactgg 120

ttacgagcgt tcagattctg ttgtcattga tgaagttgaa ttacagcaac atcaaaggct 180

tgagaaattg tacagttcta ctcgttctgg aagggatttt caaaaggaca tagttcgagc 240

agctgaaggc ttggtgtcta ttggaagcaa gcatattgaa gtgggaacaa aattttctga 300

ggattgctat agata 315

<210> 8868
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h03b1

<400> 8868

tcctcgcgtc cgcgcaacac acctaccacg cgcagcgcgc agagggagat cgagatggcg 60

acggagctga cggcggcgca gctgcgggcg tacgacggca ccgacgcgtc caagccgatc 120

tacgtcgtca tccgcggcaa ggtcttcgac gtctcggccg ggcgcggctt ctacgggccc 180

ggcggcgact acgcgctctt cgccggccgc gaggccgtcc gcgcgctcgc caagatgtcc 240

aaggacgccg ccgacgtctc cggcgacctg ttcggcctct ccgacaagga gc 292

<210> 8869
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h04b1

<400> 8869

tgattatgtg ccatgagatg ggggtccctt tcctcggcaa ggtgccgatg gacccgcagc 60

tgtgcaaggc agccgaggaa gggaggtcgt gcttcgccga ccagaggtgc agcgccagtg 120

cgccggctct gaaaagcatc atcgacaagc tgatcaaaac caagtaagca gacagtgttt 180

gtgcctgttg gagaagtacc actagtcaaa aatgtaatga tgatatctgg gatgtctcgt 240

tgtacaattg cttgttacac gcccgagtgg ttttgactct gttcttagtt tcctaaagct 300

ttttggcttg tgtatccggg ttttgtttca gaaatattga gcgttgatgc gataga 356

<210> 8870
<211> 157
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h06b1

<400> 8870

ttcattatca tccccgatac caaagctcat attcttctcc ttgaaatctt tttgggttca 60

cagatttggc ggatgtcttg caactgtgga tcccgttgca gctgcggctc acactgcaag 120

tgcgggaaga tgtaccctga tctgacagag cagggca 157

<210> 8871
<211> 233
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h08b1

<400> 8871

tcgtcgccag caagctgctt gctttgcttc gggtagctcg ctgcgcggcg ccgctctcgg 60

ctccccccgcg gccaggctgc taggatggcg gggcggccgg ggtacgtaac gctgccgata 120

atctcggagt tcgccgcgat cgggtacaga tactacaccg cggtgttcct cgcgatcccc 180

gcgtggctgg ggctcgccac ggcggcgggg gtcgtcaacg tcgcggccta cac 233

<210> 8872
<211> 118
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h09b1

<400> 8872

tcgttgacgc gtggcgcggc ggagctcgag aggggcctcg tttaacccaa cggggtcgtg 60

gtcatcaccc tccaccgtgc catggccctc aacgccatga acctcgaaat ggaccttta 118

<210> 8873
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h11b1

<400> 8873

tcgtttcgcc atcaccggcg ccaccgcgct cgacacgccc tacttcgagg ccaggggcct 60

cggcgccgtc atctggaact ccggcgccct catgacccaa atccagtggt tccgtgacct 120

caagcctttc ttctgcaact ccaccaagga agaatgcatg gagttctatg ccaactcgct 180

gttcgtcgtc tgcgagttcg gtggcaacga ctacaacgcg cccctgtttg ccgggaaggg 240

cctcacagag gcgtacaagt tcatgcccga tgtcatccag ggcatctccg atggcctcga 300

ggaattgatc gccgaggggg cagtggatct catcgtgcca ggggtgatgc ccactgtgtg 360

cttccacgtg tacctgaaca tgctcgacat gccagcccac gagta 405

<210> 8874
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189051h12b1

<400> 8874

tcttccaaac cctctcgccg gagccccagc aaggaagatg gacggcagca aggcgaagaa 60

ggtggcggcg aagaagttcg gcgggccgag gaagaagtca gtgacgaggt ccatcaaggc 120

cggcctccag ttccccgtcg gccgcatcgg gcgctacctc aagaagggcc gctacgccca 180

gcgcgtcggc tccggcgccc ccgtctacct ctccgccgta ctcgagtacc tcgcagccga 240

ggtgctggag ctggccggga acgccgccaa ggacaacaag aagacccgtg tcgtgccgag 300

gcacctgctg ctggccatgc gcaacgacca ggagctcgtg aggctgctgt ccggcgtcac 360

ca 362

<210> 8875
<211> 151
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053a02b1

<400> 8875

tcgctttgaa acagcaacag ccacagccac acgccgagtt gcacacacca gatcgtcgac 60

atgctatggc aaaggcagcg gcaacgaggg aggagatggt ctactcggcg aagctggcgg 120

agcacgccga gcggtacgag gagatggtcg a 151

<210> 8876
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053a03b1

<400> 8876

ttccttacgt ccgcccacgc gtccgatcca gacctggtgt aaattagagg aaatcaaaac 60

attgttcagt tctgattcta tttctcgagc aaagcagatt cttgccatga tacctggaag 120

agcaacagga gcatacagcc atagccaggg tataaaagga ctccgtgatg caattgcttc 180

tgggatcgct tcacgagatg gattccctgc taatgctgat gacatttttc ttacagatgg 240

agcaagtcct ggggtgcacc tgatgatgca attactgata aggaatgaga aagatggcat 300

tcttgtcccg a 311

<210> 8877
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053a07b1

<400> 8877

tttcctccca cgcgtccgct catcagctct gctggagttt tctttcttct acggctcacc 60

tttctgcctt tctttctctt ttctgttcaa gtttagctag cttgccaggg ctgctacctg 120

ctcccgcgca tctcgatctg tttttagtcg atctagatct gcatccgagc aagcaagcaa 180

gcttctccat tttcttttgc ttttgataca cacatacatt ctagtacatc tctccgcctg 240

tttttgttgg ttggagcttt gatttccttt gcattcctag ttca 284

<210> 8878
<211> 280
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189053a09b1

<400> 8878

gcggccagaa ctaaaanggg catggttgga tttgaagaac atgtcgatgc gtggacgccg 60

tttcttcctg aggagaagga aacgctatca tctacaggga gtaagaggga gcatgaacgg 120

ggaatcaaca cggccatgga tgatctgcta tctagaggga gccctcttct acaggttcca 180

tcccaaggtc tgcatatcca gtatcctctc cccacgcaca caaggtgtgc gtccatctgc 240

ctgaaggcaa cgatggaggc agaaaagagc cttcaggagg 280

<210> 8879
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053a11b1

<400> 8879

tacctcccac gcgtccgccc acgcgtccgg ttggcattgc ttgccttcca ttgagtctta 60

tattctcgtt tgtccggcgt ccaaaggctg tcatcacacg ctcacagtat ataaaggaag 120

ctactgaatt aggtaagaag gccaaggaat tgaagaaggc agcggaagcc cttcaccaag 180

aagagagaag tgggaacaaa ggcagaaaat ggcgcaaaaa cgtgaaggct gtcgagaagg 240

agttgttact tttggaaaat gacatgaatg ctctagaaga gatgtaccct caaggagaga 300

aggcagaggc tacctgggct tttacagtgc ttgcttacat tgggaaactc atattcggca 360

ttgttgggtt aattgtatcg attgcttgtg ttgcacatat tatcatatac ttgttggttg 420

atcctcctct atcttctttc ctgaatgaga tcttcataaa gctggaca 468

<210> 8880
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b01b1

<400> 8880

ttaatatttg gtggagaagg agcaagttca gagaaccagt ctgctgaggt gactaacaaa 60

attttaaaga aatgtggtgg tgtgccttta gcgatcatta caatagctag cttgcttgtt 120

ggtaaacgat gtgaggattg gtctaaggtg tatgatgcca ttggttttgg gcatgaagac 180

aacaaagttg ctcataacac aagaaagata ttgtctttta gctattatga tctaccttcc 240

catttgaaga cctgtttatt atatctaagt atgtctcctg aagatagctt gattgggaaa 300

aggacactga tttggaggtg ggtctgtgaa gg 332

<210> 8881
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b03b1

<400> 8881

tttgatggtg gacttcccca acattcgttt ttggtggagg catctaactc cagaggctgt 60

cttatgttgg cggcagcgtt ctcaaaacat ttactatcat aggggttgag tttgagtccg 120

agtatgtgcc ctgaatcgtt actgggcaac ttttcttaaa tacattgtcc ttgaatccga 180

ctgagattat tatg 194

<210> 8882
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b04b1

<400> 8882

tccctcgcgt ccgaccgtgc gccacgcccc gtgccgcaaa aacctttcga aaaccgccgc 60

gccaaccgcc acccagcccc gtccaagaaa ccgtacgcca ccgcggacgc gacccccccgc 120

cggcgccaag atggtgcggc ttagcaacac ggtgatcggg aacctgaacg cggtgacctt 180

cctgctctcg gtgcccatcc tggcgggcgg catctggctg cgggcgcgcg ccgacggcac 240

cgagtgcgag cgctacctgg cggcgccggt gatcg 275

<210> 8883
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b05b1

<400> 8883

cgctccctat cgtccggata tttcccccga gccgaggaca agtcgtctcg tcccgcgctg 60

cgtttctcct cctcccccgc tcctcccccа ttcgccgtcc gcggttctct ccaccgaaca 120

agctcacaca tcaagacaat aaatagagcc tcgtttgttt ggggccgacc aaaccaaaca 180

acaagttcat gtctgatctt aacgcccagg ttccaactgc tttcgatccg cttgctgagg 240

caaaagctgc ggactccggc gctggtgctg gatcaaagaa ctatgtgcat gt 292

<210> 8884
<211> 100
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b06b1

<400> 8884

ttccatgtga acggcacttg cacatgggta tgctgatcct aagggaccgt gtaaccccgg 60

cagatagcgc gatcactcgc atccccccaa agggaatttg 100

<210> 8885
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b07b1

<400> 8885

tttcctacca cgcgtacgcc cacgcgtccg aaagaaagaa gattgcgaag gctcagaaaa 60

tgacaaggcc aagaaaggga aagataagaa gagcgagagc aaagagaagg ataaaaatag 120

cgccaaggag actggacctg atgcagatga cagttgcccc aagaacaaaa agaaggataa 180

ggacaaggca aagaagaagg atgaaagcga tgaaaaacaa gagaaagaca aagactaggt 240

ggaacatgag aac 253

<210> 8886
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b08b1

<400> 8886

tctccgcctc ttcctctggc tctccgacaa gccggcggcg gtgaccactg tctgtgcggt 60

gtcaggacca ggttctccta ccacttccag cccgccaaga actggcagaa cgatcccaat 120

ggtcccatgt accacaacgg cctgtaccac ttcttctacc agtacaaccc cgacggcgtg 180

acgtggggca acggcaacct ctcgtggggc cactccgtgt ccgtggacct ggtgaactgg 240

ttcgcgctcg acgccgcgct ccagcccagc cgctccttcg acgccaacgg ctgctggtcg 300

ggctccgcca ccatcctccc tgacggcagc cccgtcttgc tctacaccgg ca 352

<210> 8887
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053b09b1

<400> 8887

gactggcaag ggctcaccat tatttactct tcctaataaa aatacaaatc atgatctaca 60

tctgcaatcg ctctaaccct tccatctagc tacatttcta actagcccta tactaaagac 120

aagcagacaa ctacactaac cacattagct tcgtcccagc taccatcggt gtcaggtact 180

ccgacttgat acatccgtat ttagacaaat ctaagacaag aattttggga cggagggagt 240

aacatctaat ctaatttgtc gaaggcgcct tctgctcgtt actcttcccc agcccca 297

<210> 8888
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c03b1

<400> 8888

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tcagttgcaa ggaaaaacag atgttgttct tgagttccat gttgatgata ctacaggggc 180

taatgagaaa gattcgctga tggatttaag ttttcatgta ccaacttcaa atactcagtt 240

cctcggtgat gaggaacgtc cctcggctca tatttttgg cagaaaatct tggctatagc 300

tgacgttggc tcatcagaag aggctgttgc ctcattggag ggaattgcaa ttcttacccc 360

aagaggtcga tacactgttg agcttcatat gtcattcttg cgactccaag gacaagctaa 420

tgatttc 427

<210> 8889
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c07b1

<400> 8889

tctacggcct gctcatcaag gacaaatacg tcgcgctccc aaacatcctt ggctatacct 60

tcggggtgat ccagatggtc ctttacgtgt cctacatgaa caagacgccg gtggcaagcc 120

aggtcaagga ggggaaagag gcatggtagg cgcccgcaga gg 162

<210> 8890
<211> 189
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c08b1

<400> 8890

tcctcggacc gtgggctcac cccgaacccg caggtctttt tcgatgccgc cgcacacaag 60

atggtgaagg gacgcaccgg ccagtgcgga ggctctacgt ccgcggacca tcctaggata 120

caagcggtca agtcgaacca gtcgagacgg cgttttggtg cagatcgagg gggtgaacac 180

cagggagga 189

<210> 8891
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c09b1

<400> 8891

ttcttccacg cgtccgcgca ccttcagctt cattgctttt tctacccacc cacccacatc 60

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cggtgccgca gcagcgatca gctcggagca gatgagcgag ttccgggagg ccttcgcctt 180

cttcgacaag gacggcgacg gctgcatcac ggcggaggag ctgtccacgg tcatccgctc 240

cctgggccag tccccgacgc ccgaggagct gcgggacatg gtgcgcgacg tggacgccga 300

cggcaacggc accatcgagt tcgccgagtt cctggcgctc atgtaccgca aggccgacgc 360

cgacgcggac gccgcggacg ccgccgaccc cgaggagg 398

<210> 8892
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c10b1

<400> 8892

tttcctccca cgcgttcgct cgatcgctcg ctcgtgaacg tcttccgagc caccgctccc 60

cagtgctgcc ggccatggac gcctccatct tctccaccac atcctcc 107

<210> 8893
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053c11b1

<400> 8893

tttattccca cgcgtcgacc cacgcgtccg cccacgcgtt cggtgcgatc tgcactactt 60

acggtaagaa ccacaaccac cacaagtgag tgaccatcgg agcaaggaaa gaccaggaga 120

gatggcaatg aggccgcttg tcgtcctggc cctggccgtg gcgctcgccg gcgtggcact 180

gggaggggc gcggcggagg gggccggcga gtgcgggagg 220

<210> 8894
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053d04b1

<400> 8894

ccctactttc cacactccct gccccacaga gaagagaacc atcgagaaaa atgccgcgcc 60

acctgctgca gaagcccgtt gaccggctcg ccgcactggc cgcgc 105

<210> 8895
<211> 225
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053d06b1

<400> 8895

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ctggctttgg gcaggattgg agccctgtgc gagcaggtca aggatcttaa tgctcaagga 180

tatgaggtga ttatggtcac ctcgggcgct gttggtgtgg ggcga 225

<210> 8896
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e02b1

<400> 8896

tggctcgacc ccaatgaggt caacgagatc tccatggcca actcccggca gaacatccgg 60

aagctggtaa aggatggctt catcatcagg aagcctcaga agatccactc caggcctcgt 120

gcaaggaggg cacatgaggc 140

<210> 8897
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e10b1

<400> 8897

acgaagaacc catctgtaaa attaatatgc gttgaaccag ctgaatgttc attgatttca 60

ggtggcgagc caggcttcca caacatccta ggaatagggc ctggctttgt cccagaaata 120

ttggatagat cccagataga tgagattgtc acagtgacta ctcaagaagc tatggacatg 180

gctagaacat tggcaaggga agaaggattg cttgttggca tctcttcagg ggcaaatgca 240

gctgcctgct taaaggttgc atcaagagag gagaacaggg gaaagatgac tgtgacaatg 300

ttttccagtg gtgcagagag gtatctgaac tcggagctct ttg 343

<210> 8898

<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e11b1

<400> 8898

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cgcctcgcgc tctcccaccg catggcggcg gcaccagcgg cgatcgccgg gccctccggc 120

gactccgagc gcgacctgag cgcgtccgcg gtatcggtag aggcatttgg ggccgtcgaa 180

tcctcgggcg atggttcggg gaggaaggag cc 212

<210> 8899
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053e12b1

<400> 8899

taccttagca atatatttgc aggttttagg tctaagtgaa atgtatcgat ctctgtgaat 60

atattgtaaa ccttcacaaa ttcccttgat tatttcatag cgctatttta aaataaatga 120

tttgtattgg aaaaaccaag ttgtccaata tacatattca tgacttgaaa aagtaaaaaa 180

atacagtcat tgtatattgt gtttgactta gaaagaaaga tgaaaaagct aaacaaaaag 240

atgtgaaggc tgatgaatgc tttgcttatg catgaatcca tattgataaa gcgctattga 300

atgatcaagg 310

<210> 8900
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f04b1

<400> 8900

ttcgtgatgt attctgaaaa tggatcacca ctgtatttgg attaacaatt gtgttgggca 60

tgagaattac aaaattttcc tcgtctttgt gttgtatgct gcaaccgcaa gcttctattc 120

tttggctctg atgattggag gcgtagtgca tagtgtgcct acagatgaac aatcaggaat 180

tgattctcca agaaaatcgt tagttatttg tggcgtcttt gtgggtgtaa tgactttggc 240

gttgtctatc ctcttggtct ggcatgttta cctcatctta cataataaga ctactattg 299

<210> 8901
<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f05b1

<400> 8901

ccctgcatga cagcacgagg atgcattatc acaatatgga attgctctgc aaattgctgc 60

tgaactggaa tcttctgaag atatatcctc tgcatgccat tcaaatcgtg ctgtatgttt 120

cttgaagttg gggaaatc 138

<210> 8902
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f06b1

<400> 8902

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tgcaagaagg ccgttcctcc ccgagaagca tgaggaaaag tcatcgtcat agacattgtg 180

cttggatcgg tttctgcagg gccaatgctg gaaacccaac acctcatgga tatgctcatg 240

c 241

<210> 8903
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f08b1

<400> 8903

gggctggcct accgctacgt gggggacgtg cttggggacg cccaggtcta cgccgaccac 60

gcggacaagc cccagctcga cgccgacgac gtccgcctcg ccatccaggc caacgccaac 120

ttcttcttct tccagccgcc gacccgcaag gttctacttg aataggcacg cagccggaac 180

aagatcccgc tgcc 194

<210> 8904
<211> 188
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f09b1

<400> 8904

acctaccttt gcgtccgccc acgcgtacgt ggttctagtg attatgagat aacagtcgag 60

gatgctcctc ttgcgcgtac tgaactcccc caagatggca gagccccacc tgtcgtaaca 120

actgatatgg aagctttcca tgataaagct aagatgcaag tcattaaaga aggccatggg 180

aagatacc 188

<210> 8905
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f10b1

<400> 8905

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atcgccggcg gcgggctgct ggggatgggg tgggccgggt tcaacggcgg cgcgccctac 180

gccgtcaaca tcacggcgtc catggccgtg ctcaacacca acgtcagcgc ggcgacgagc 240

ctcctcacct ggacctgcct cgacgtcatc ttcttcggc 279

<210> 8906
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053f11b1

<400> 8906

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atgctccatt ctatcaactg aggaaagatg ctacaaaact tgttgcatat acatttgaaa 120

gggggcggag aaatctttgg caactggcaa caagtcgcct gtctgtttta ctggcttgtt 180

cagctgtttc ttcaactagc atataccaat ttctgaagaa ctatgaagat ctcacaatat 240

ttattttggc cggtgaagca ttttgtgggt ttgaagctag cgaattccga cagaagctga 300

agacagtctg tttgaactac atagtgacct ttcaccggca aaatatatac gcacttaaaa 360

tggtactgga aaaggagtct tggacaataa tgtctgctga agc 403

<210> 8907
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g04b1

<400> 8907

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tcaccgcagc gcgaccaaac cctcaggcga tccccggcac ctcctccccg acgcttcagc 120

catggcagga atggcaccgg aaggttccca gtttgacgct aagaactatg attctaagat 180

gcaggagctg ctgaaccaag gtgagactga ggagttcttc acctcttatg atgaagttca 240

tgagagcttt gatgacatgg gtctccaaga gaacctcctc agaggaattt atgcttatgg 300

ttttgagaag ccttctgcca tccagcaaag gggaatc 337

<210> 8908
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g05b1

<400> 8908

tgcctcgccc aaatccccca aaaccctagc cccgaggagg aggaggcgga ggcggcggct 60

accatggctg ccgcagcggc gaacctggcg ggccggccgg gtgtgcgcgt cgtcgtcatc 120

ggcgaccccg gcaccggcaa gtccagcctt gtcgtcgccg tcgccaccga gcagttcccc 180

cgagaacgtc cccaaggtca tgccccacac cc 212

<210> 8909

<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g06b1

<400> 8909

ttgagttccc ttctcgcttc ctcctcaccc cgcactgccc caccgcgccg gccccgactc 60

cgactccgac actccccggc ggcgcgcgct cgccgagctc ggtcgcgctg cggttcggat 120

cccccggagg cgtgcggctt cggcgcgggc gagggtcggc ggcggtcgcg atggcatccg 180

acgggcgcgt ggagcggatc gcgtccagta tccgcgccat ccccaacttc cccaagccag 240

gga 243

<210> 8910
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053g10b1

<400> 8910

tcctgagatc ccactagcgt cctcctcacc caggactgac ccaccgcgcc ggccccgact 60

ccgactccga cac 73

<210> 8911
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h04b1

<400> 8911

ttccattcgt ccgcccacgc ggccgctggc cggaaggatt ctttataggc aagagcggtt 60

gatgagagag ctcgatggcc cgacgatatt cacctgggtt gcagtaatag ccgggatgct 120

ggctgcgttc tcggccgttt tccttccacc cgtcggtccg gtcaaatggg tgctcgccat 180

c 181

<210> 8912
<211> 250
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h05b1

<400> 8912

tcgatgcgtg ggcgaacccc tctctcccca cttacgattc ttcggctccc aacgcccaaa 60

gccttcgcat ccagagctcc aaaccctagg cgaggcgagg cgcggcgcac cggagggaga 120

ggccatggat cccgattcgg tctcgaaggc gttcgtgcag cactactacc agacgttcga 180

ctccaaccgc gccgcgctgg tggggctgta ccaggacggc tccatgctca ccttcgaggg 240

cgagaagttc 250

<210> 8913
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h10b1

<400> 8913

ttacctgttc ggcaatggcg gccacgaaca tggtctggct gctgtagcga caagggcggt 60

catgctcgtc cgtgtcaaca ctctgctcca ggggtactcc ggcatccgct ttgagatcct 120

cgagacggtt gttgcgcttt ttaacgccaa cgtgacacca tgcctgtcgc tccggggcac 180

<210> 8914
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h11b1

<400> 8914

tacctctctc tgcaagtctc tttcattaga cacacgcata cagtagtaag tgcacacgaa 60

ttggagatgg cgatggcacc cagcaaggtt gtggtgctca tggcgttcat ggccgctgcg 120

ctgagctctg tgtcgatggc cgcggggctg cagcacggct tctactactc gtcgtgcccg 180

caagccgagg acacggagag gaacgtcgtg caaggcatga tcaacaatga ccccaccatg 240

ggcgccgcct ttgttcgcct cttcttccac gattgctttg tcaggggttg cgatgcctct 300

attctgctgg acccgaccac c 321

<210> 8915
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189053h12b1

<400> 8915

tacctcccac gcgtccgatt ggtacctctc cgacgccttc tttttgggat cagttggcct 60

gaagatcagc ag 72

<210> 8916
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a01b1

<400> 8916

gctcctacgg catcgtctgc tccgcgctca actccgagac gggggagcag gtggccatca 60

agatgatcgc caacgccttc gacaacaaga tcgacgccaa gcgcacgctg cgggagatca 120

agctgctccg ccacatggac cacgagaata ttgttgcaat aagggatatt atacctcctg 180

cacaaaggac tgcattcaat gatgtctata ttgcatatga attgatggac accgatctgc 240

atcaaattat tcgctcaaat caagctttat cggaggagca ctgccagtat tacctttatc 300

agatccttcg tggcttgaag tacatacatt cagcaaatgt tctccaccga gacttgaag 359

<210> 8917
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a02b1

<400> 8917

gttatttcag gcattgcatc tgctcgtgcc ttgtcaaatg ctttatttaa ggtcacattg 60

ctagagtcgc gggagcgact tggtggccgt gtgcatactg actattcttt tggctgccca 120

attgacatgg gagcatcttg gttgcatggt gtttgcaatg agaattcttt ggcgccattg 180

attaggcttc ttgggcttag attatatcgc accagtggtg ataactctgt gctttatgac 240

catgatttgg agagctacgc gctctttgat aaagatggtc gtcaaattcc ccaggagata 300

gtaaccaaag ttggggaaat atttgagcag attctgaagg agacggtgaa aggtagagat 360

gaatatgcaa acgaca 376

<210> 8918
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a03b1

<400> 8918

gttttgccta tgtgattgga gacccagcga agcctggcca gaagtggcac atctactatg 60

ccaccgagca acctgagcag cccatggtca ccctggagat gtgcatgact gggctcgaca 120

agaagaaggc ctctgtgttc ttcaagactt ctgctgatgg ccatgtctcc tgtgctaagg 180

agatgaccaa gctctctggt atctctgaca tcatccctga gatggaggtc tgtgacttcg 240

acttcgagcc ctgcggctac tccatgaacg ccatcaacgg atctgccttc tccaccatcc 300

atgtgacccc cgaggacggc ttcagttacg cgagctacga ggtcatgggc atggacg 357

<210> 8919
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a07b1

<400> 8919

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aagaccctca ccggcaagac catcaccttg gaggttgagt catccgacac cattgacaac 120

gtgaaggcaa agatccagga caaggagggc atccctccgg accagcagcg cctcatcttc 180

gctggcaagc agcttgagga tggtcgcacc ctcgctgact acaacatcca gaaggagtcc 240

accctccacc tggtgctccg cctgcgtggt ggcatgcaga tcttcgtcaa gaccctcact 300

ggcaagacca tcacccttga ggtcgagttc tctgacacga tcgac 345

<210> 8920
<211> 321
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a08b1

<400> 8920

tgtccaccga attcctcgcg attcctctcc cctcgcctcc tcgtcctccc cctcctaggg 60

gatcgccgga gaggaatcgc gacgagggct tcctcctatc agttaaatca aagtcatgga 120

gcacaaggag accggctgcc agtctcgtga gggccccatc ctttgcgtca ataactgcgg 180

cttcttcggc agtgcggcga ccatgaacat gtgctccaag tgccacaagg agatggcgat 240

gaagcaggag caggccaagc tggccgcctc ctcttttgac agcatcgtca acggtggtga 300

tgccgcgaaa gaacatcttg c 321

<210> 8921
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a09b1

<400> 8921

ttgtgttcat gacattactg aggaacccat tttacctggc cgtcatgttt gtagttttcc 60

tagtcgggaa agccatgtgg gtacaactag acattgccaa tgaattccga aatggatttc 120

ttccagctct cctttcgctg tcgacaaaat ttgttccgac aattatgaac attctgaaga 180

gactagctga tgaggggggca gcgcccgcag ccccagagag gcagagagag acggagctcc 240

aaccaaggaa taatagttca aacagcaacg tgacatcagc aggttcctcc agcttaacct 300

cttcagagaa tggacctgaa tattcaagcc cggtagcaca atgatgagtg gatccctagc 360

ttttagctga aagctctagt tgtagctgca acggtttgag cct 403

<210> 8922
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a10b1

<400> 8922

tggggtggca cttttgatgt ctctctcctt accattgagg agggtatttt tgaggtgaag 60

gccacggctg gtgacactca ccttggtggg gaggactttg acaaccgtat ggtgaaccac 120

tttgtccaag agttcaagag gaagcacaag aaggatatca gtggaaaccc caggtctttg 180

agaaggctca ggacttcttg tgagagggcg aagaggaccc tttcttccac tgcccaaacc 240

accattgaga tcgattcact cttcgaggga ggtgatttct attccaccat caccagggcc 300

aggtttgagg agctcaacat ggacctcttc aggaagtgca tggagccagt ggagaagtgc 360

ctga 364

<210> 8923
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054a12b1

<400> 8923

gtctcagttc aaaccagagt tctatgagag aactgacagc attatcgccc gctataagca 60

gggacaggtg tgtatgccag tttttgtgga gcacctcaag gatgaggtca ttggcttgaa 120

gaaagtggag gcccagaaga cacgagtatt ttctggtagt ccagcggact tcgcagtggt 180

gatgaggaag tatcttctca cgacagtgcg agtgatccaa aacaatcgat atgttttcga 240

atgtgctcct ggaaccaatg caacctcgtt ggagtggtgt gagatttatc actacctcat 300

ccaacatgg 309

<210> 8924
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b01b1

<400> 8924

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cttggcgggc atgcagggca cgagagacat gtctgccaag ggcggcaagg ccctggtcca 120

gtcggacgcg gggaagtatg tggcgtggtc gggcgtcgac cagccggagc tcgctgcaga 180

ggggctcggg tgtggcttgc tcctgctcag gccgctctcc tttgcgctga cacactacgc 240

cgactgccac aagttcg 257

<210> 8925
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b02b1

<400> 8925

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ctccccgtcg catcgatccc aatctgacca cccccaaaac cctaaccctc actcgcctcc 120

tagcacggcg gcgagtcacg gcggcggagg cttgagatgg ctgcgcgggc gtaagcattt 180

cggaggcgat cgcggaggtg ggggcttcct gtgacccgcc agcggtctag ctggtgccgg 240

cccgtgcccg tgggtatggc gacgtcgtcg tcggctagcg ggggcggtgc cgccgggggc 300

gcgcctggac tcaagactta cttcaagacc cccgagggcc ggcataagct gcagtacgag 360

aagacccac 369

<210> 8926
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b03b1

<400> 8926

ggtctggcgg cagcggtgcc ggcgactccg gagagtacag cgcagcggcg gctggaggtg 60

cgaagcctcc tcaggcggct caataagcct cctgtcgcaa gcattcagag ctcggatggt 120

gatgtcatag actgtgtgca catatccaaa cagcctgcat tcgatcatcc tctcctcaag 180

aaccatacta ttcagatgcg gccttcttac aacccaagag gcatgcatca tgactccaac 240

atcacagccc atgcaatcac tcaaatatgg catcaaaatg gcacgtgccc taagaacacc 300

ataccaatcc gaaggaccaa ggaggaggat gtcctgaggg ccaattctat taggaggttt 360

ggcaagaaga tgcctaggag catcccacac ctcaatccaa ccaatgacac tgacacacc 419

<210> 8927
<211> 367
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189054b05b1

<400> 8927

ttttangtgg catgcaccca tgattgacaa ccctgcctac aagggaatct ggaagcccca 60

agaaatcccc aaccctgaat actttgagct tgacaagcct gactttgatc cgattgccgc 120

tattggaatt gagatctgga caatgcagga tggcatcctt tttgacaaca ttcttatcgc 180

cgatgatgag aaggtagcca ccgccatctt ggagaagaca tggaagccca agtttgatgt 240

tgagaaggaa aagcagaagg ctgaggaggc tgcagcagcc gattcagagg acctttctga 300

gttccagaag aagatcttca gcgttttgta caagatcgcc gacattccat tcttggaacc 360

ttacaag 367

<210> 8928
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b06b1

<400> 8928

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cttgcgacgg ccagaccaca tgccgtagag gccaccgtcg cggtcacgcc ggcgaacgcg 180

tcgatcgtac ggtcgttgct ccagcggcat gagaacggcg gcacacctgc gcaggtggcg 240

acttacccgt tcccggccgt ggacggcctc ccgaggggcg tcgagaacct gggtgcggca 300

g 301

<210> 8929
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b07b1

<400> 8929

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cctgtttctc gccttatctc cattgccgcc tgctgcgcgc ttcagcctag ccaaggaacg 120

aggaggagcg ggttgttgtc atggcggcgt cggcggcggc tgtgatggag gagctgcggg 180

gcagcttcag ggaggggcgg acgcggccgg ccgagtggcg gacagcgcag ctcagggcgc 240

tcgtcaggat gatcgaggag aaggaggacg acatca 276

<210> 8930
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b09b1

<400> 8930

gtagcaaaca ccattcaagc tagctacagg gcactagcta gacagagcta gcaatggcga 60

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ccccggcgcc catcgtggac ttcgaggagc tgaccaagtg gtcgctctac cgcgcggtga 180

tcgccgagtt cgtcgccacg ctcctcttcc tctacatcac cgtggccacc gtcatcgggt 240

ataagcacca gtccgacccc accgtcaaca ccaccgacgc ggcctgcagc ggcgtcggca 300

tcctcgggat cgcctgggcc ttcggcggca tgatcttcgt cctcgtctac 350

<210> 8931
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b10b1

<400> 8931

gaaaaattgg atagctacgt gcattcgcca gaccaaatat tttacagtac cttgcatcac 60

agaataacaa caaatatttg aaatttgacc atagaggaac actacaatac agtcaagtaa 120

aatatctgaa cattcttagt ttaccgtcca aaatacttga accacaggcc ggcattcata 180

tctgacttgt tctatttctc gcagatcatg tctttatgcg caccacaaaa gaacatgctg 240

gaaggtttga catatctgca gagacagcac acggaattcc caagtttgtg agagcacctc 300

ttattaaccc acat 314

<210> 8932
<211> 346

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b11b1

<400> 8932

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cccacgcccg gctgctaaag gcagcgggcg aggtcagcgc gccccgacga gcctccctcg 120

cgcgggggag cggcgtcaag ggggcgtcgc ggtggggatc tccggtgagg cggcgcgcgg 180

cgaggtgcgt atggcaaggc ggagcacggc cgagggctcg aagtggaggt gctgggcacg 240

gtgttcttcg cggcgtcggg cggaggttgg aggggctgcg cacccaggcc ctagaggcag 300

cagatctcgg ccaggagagg ccgcactggc gatggccggg atttgc 346

<210> 8933
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054b12b1

<400> 8933

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ggaggccggc ggccatggaa gaggagagga aggggttcca gccccacctg atgggcctgg 120

gcggcgggag gctgaggggc gcggcggggg cgatgggcct gcagaagcag aactcgtggt 180

cgcccgacat cgagcgggac gaggcgtgg 209

<210> 8934
<211> 181
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c01b1

<400> 8934

attgtactag gtctcggtca ttcctctctc tctctccctt gcttggggaa gaagaagatg 60

atgatgagag ggcaagcgcc cccgtctccc gacgccgtcg tcccttgccg ccgatctgat 120

ctcaggagcc agcgaagatg cattccacca ctctgctcct cgaggagccc atccggatgg 180

t 181

<210> 8935
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c02b1

<400> 8935

gtcttcagcg agcggctgca gcggctggcg acgccgtcgg ccccggcgga ggacgacgtg 60

gacgtggacg ccgacggcga cagtaccact taccgggaca tccacccgtc gccggcgccg 120

gcgccgttgc ggcagccgtc ctgggacgtg gccagccagc gctcgctgtc cttctactgc 180

gacgagcagt tcatgtccag cagcatgggc cgcgagttca tggccatggt ggatgcgggg 240

ggcgcgc 247

<210> 8936
<211> 265
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189054c03b1

<400> 8936

gtgncttgtt cacaatctct ggtgccgagg agatcctcaa ggcactgtag gagcttcagc 60

gcttcggaat cgcagcgatc acccaaacct tgtgtcatat cgatgtagtt tgaacttgtc 120

tgccgaacta ctagtgggaa taaattgtca atgtgcattt cttcatgtac tttatgtgcg 180

gtgcaagtga cttcagagtt ttccggtcaa cttgttggtt gtgttgcaaa cattctgaga 240

ttgttcaagg aaaatggtgt gggtg 265

<210> 8937
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c04b1

<400> 8937

gatctttgag gtgaaggcca cggctggtga cactcacctt ggtggggagg actttgacaa 60

ccgtctggtg aaccactttg tgcaagagtt caagaggaag cacaagatgg atatgacagg 120

aaacccgagg tctgtgagaa ggcttaagac ttcttgtgag agggcgaaga ggatcctttc 180

ttgcactgcc caaaccacca ttgagatcga ttcactcttc gagggagttg atttctatta 240

caccatcacc agggccaggt ttgaggagct taacat 276

<210> 8938
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c05b1

<400> 8938

ctttcgcgtc cggtgaggaa agctctgtat gcctccaaga tctgcagcta tgcccagggc 60

atgaacatca tcaaggccaa gagcgtggag aagggatggg gcctgaacct gggcgagctg 120

gccaggatct ggaagggcgg gtgcatcatc cgcgccagct tcctggaccg catcaagaag 180

gcgtacgaca ggaacggcga gctcgcgaac ctcctcatcg accccgagtt tgcgcaggag 240

atcatggaca ggcaggccgc atggaggagg gtcgtgtgcc tcgccatcaa caacggcgtg 300

agcacccccg gcatgtcggc gagcctggcc tactttgact cgtacaggag ggagaggctt 360

cccgcgaacc tcgtgcaggc ccagagggat tactttgggg cgcacaccta 410

<210> 8939
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c06b1

<400> 8939

gtcctccgct gccaatgggg atggcgaggg ccctgctgcc gcagcgcgcg ccgctgctcc 60

ggcggctcct catggccggc gcgctggccg cctcctgcac ctgcttcctc ctcgtcctcc 120

aggcgcaggc ctccgtcccg ccgcgctacg acgggttcgc ctacggggtc ggggccgccg 180

cctggaagga cgccgtcctc gtcgaggcct tcctcgaccc gctctgcccc gacagccgcg 240

atgcctggca cccgctccgg ctcgccgtcg agcgctactc cccgatggtc tccctcatcg 300

accatccctt ccctctcccg taccacacct attcatacca tgcct 345

<210> 8940
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c07b1

<400> 8940

ttgtctccgt gtgggcggag cgaagtggga gccaacgcca agccagccga gcggactcct 60

ctcctcctcg cagcagttcg cgattcgccc ccaaatccag cgccctcccc gccggaatcc 120

ggcgccgaat cttgcagaga gcttgaaccg agctatggac aacttgtggc atctcggaga 180

tgagttccgt gggcaatcaa aggtggtgga ggaccgccaa tggtctctca tgacatcaaa 240

gctggctgag atcacaaagt caaaggctga gaggatgaat gactttgagt atgcacggat 300

gaacaccgtc cctgatgtga agcaatggga taagttatcc taccaccaag aagacaacaa 360

gatggaccac ctcaatcttg gcctcatgaa cctggatctt aagatgaatg atctcaagat 420

g 421

<210> 8941
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c09b1

<400> 8941

aaaaaaaaaa aaaaattttt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaataaaa 60

aaaa 64

<210> 8942
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c10b1

<400> 8942

gtcgcgcctc cccccgcacc acctcgatga cttccgagac ccggctcgcc tgccacctgg 60

ccaccccgac agcctccgcg agcatcctcc tccgccgcgc caccacttcg caggccacgg 120

cggaggggcc ctgccccccg catcgcacat ggccgcggcg ctggaggaac gtatcggcgc 180

ggagatcgag gaggcgcacg cgctgctcgg acagaaccag cgactctctg cgacgcacgt 240

ggcgctcgtg caggaggtct ccgccgtgcg gcacgagctt ggccacaccg ctcgagccat 300

cggcgctgcc cagcaagagg gagatctccg tattcgtgag gtctatgaga ggttaatgaa 360

aatggaagca gagc 374

<210> 8943
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c11b1

<400> 8943

tggacgcgtg ggcgaccgga tcgtcgccag gggccactac acggagcgcg ccgccgctgt 60

ggtcaccaag accatcgtcg aggtcgtgca gatgtgccat aagcatggag tgatgcaccg 120

ggacctcaaa ccagagaatt tcttgtttgc aaacaagaaa gaaaccgcgg cgctgaaagc 180

aattgatttt ggcctgtctg ttttttttcac tccaggtgaa cggttcactg agattgttgg 240

aagtccttat tacatggctc cagaggtgtt aaagagaaac tatggccaag aggttgatgt 300

ttggagtgca ggagtg 316

<210> 8944
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054c12b1

<400> 8944

tccgccccgt ttattcccct ccggcgcagc cgcccccgtg tcctgtgcgc accttctcga 60

agcctcctcc ctccctcatg gcggaccagc tgaccgacga gcagatcgcc gagttcaagg 120

aggccttcag cctcttcgac aaggatggcg acggttgcat caccaccaag gagctcggaa 180

ccgtgatgcg gtccctcggg cagaacccca cggaggcgga gctgcaggac atgatcaacg 240

aggtcgacgc ggacggcaac ggcaccatcg acttcccgga gttactgaac ctgatggcga 300

ggaagatgaa ggacactgac tcggaggagg agc 333

<210> 8945
<211> 117
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d02b1

<400> 8945

cgtgctgcaa gccagttcat cctgcgagca ctacttttac ctgctgtacg aagcaggcta 60

gcaagcaact aggagctaac cagccaggca ggcgaggaga gcatggcatg ctaccac 117

<210> 8946
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d03b1

<400> 8946

ccttggtcct ccggtgagag gtggcgccga agccggtggt gacaccgtag ctgtcggtgc 60

cgttcatcat gctgttcatg acccagtcgc tgctctcctt gac 103

<210> 8947
<211> 52
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d04b1

<400> 8947

tgggattatg gatttctggg tggctataca tccagatgca gaaaccaagc ca 52

<210> 8948
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d05b1

<400> 8948

gcgttgtata cgactgcaac aacgttgtgg agcaggagct cccctgtgga ggcgtcctca 60

tctaccagag ctttaccgtg aa 82

<210> 8949
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d06b1

<400> 8949

tttttgcgtc cgcccacgcg tccgggagga tgccatttcc tttctcctcc ttgctgcact 60

tcttgcgtta gtctcatggc aggccactgc ttctgatcct agcccactcc aagacttttg 120

tgtcgccgac atgaattcac cagtccgtgt caatgggttt gcttgcaaga acccgatgga 180

ggtcaatgca gatgacttct tcaaggggggc caacctcgac aagcctaggg tgcccaacaa 240

ggctggatcc aacgtcactt tgatcaacgt gatgcatatt gctggactga acaccctcgg 300

catatcaatt gcgcgcatag actatgctcc cttgggccaa aacccaccac atacgcaccc 360

tcgcgccact gagatcctca cggtgctcga gggaacactg 400

<210> 8950
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d07b1

<400> 8950

tcacgcgtcc gcccacgcgt ccgctggaat aaaagcccat gcaggtctca acatcgtcca 60

gtag 64

<210> 8951
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d09b1

<400> 8951

gtttgagacc cgaggcggag atggatctgc tggagaggag cgcagccact attaaggcgg 60

agcagcaggg ggaggcccag cgcaaggaag ccgagaggaa ggagcaggag caggagcagg 120

agacccagca gcaaggccaa gggctcaccg gcagaccccc gctcgccaac ggcaggtctg 180

gaatgttgcc aatgtcgagc cctccagcaa atccgggaca gcttaccatt ttttatggtg 240

ggtcagtatg tgtgtatgac tcagtgccac cagagaaggc tcaagcaatc atgctcattg 300

cagcagcagc tgctgcggcc tcaaaaagca atggcaccgc tgctgttaag cctccagcga 360

tgtctgcgac caatgcgatc caagccatgc ttacgcggtc gctctcactc cagagcactt 420

ctgtagcaaa tggacaacc 439

<210> 8952
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d10b1

<400> 8952

ttataggagc ggagccgccg agccgggaag agccaccacc ccatcccatc gcccgcctcc 60

gcttccgaag ggtcagagat ggcggaccga gctaaccacc catctgtcat gcagaagttt 120

ggtggacagt tccaccttgc ctccagcttc tctgagggtg ttcgtgctcg caacatctgc 180

ccttctgtgc catcctatga gaggcgcttc accacaagca gctacatgac tcagaacctt 240

ggcatcagtg tcccaatcat gtcatcttct ccaatgtttg ccaatgcacc ccctgagaag 300

aaaggtgtca agaactttgc gattgatttc ctcatgggag gagtgtcagc tgcag 355

<210> 8953
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d11b1

<400> 8953

ttttccttct ctccctagta gcttcattct tcttcttctt ccaaacagac tggagttcat 60

caaggatctc gtcctgaaac tggagcctac aagcactcaa aggaagaaga gcaagaagac 120

aggctcccag ccgatacaag gtaggagcga acaacgttag ggtactgtcg ttatatcctg 180

agttgatatg gtgacagtga gagaagagac acgcaaaggg ccatggacag agcaggagga 240

catgcaactg gtatgcactg tccgtttgtt cggtgaacgc cgttgggatt tcattgccaa 300

agtatcaggc ctcaaccgca caggaaagag ct 332

<210> 8954
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054d12b1

<400> 8954

tttctttatg atccaattca atagcagctt gtctgcgatt gtttttttcct ctgcgcgtgt 60

atgctgcctg atctgtattt cttgatcaga ttgctgttgt accgaatcat tgagatagca 120

aatacatgta gcttagtgtc agatgtactt gatttattac cctgagctat gtttctccta 180

gataataagc atttcaggca gcttggaaac cgaatcctta gatcaatgaa atctgtagac 240

ttttatgtta catatgcatg gacctatagt ctataatatc ttcaatgaaa atatatgctg 300

ctgccataga agcttatcga agctaggttt ctcttagata ctaagcatgt caggcagcta 360

tgtagaatcc aaatgaaata tgtagaaatt tatgtactgt ctgtaatatc ttcaatgaaa 420

aaatatg 427

<210> 8955
<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e01b1

<400> 8955

ccacaatcta ccaaactctc ttggagttca cgagcggcgc tgcgatgggg tcacacggca 60

agccaccgct accgtacgcg tacaagccgc tgccctccgg cgccgccgcc gccgacgccg 120

atggtgagcg gaccggct 138

<210> 8956
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e02b1

<400> 8956

ctggtctcgt gggcggccat ttctcggtca tctactagca ccggtcttgc tatatatata 60

tatatctcta ccaaacgaaa ccaaacccat cgatcgatcg cctgccttcc ttccagcata 120

tacatcgaca gacggtcgaa gaagatggcc atgccgccgg cggagaaggt gatcatggtg 180

gacgccaacc 190

<210> 8957
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e04b1

<400> 8957

ttgtcgcgtg ggcggaggcg atagcacagg agaggaaaga agccaagagg cggggccgtc 60

ggtccaccga gcccgagagc accttggccg acagcatggc gctgctgatg gagcccgggt 120

cggagcccct gacggagggc gagaaggccg acctggacgc catcctcgac atcaaggagt 180

cggtggagcg cgagtacagg gaggagggca accaggtcgg caagaagggc cggaagcact 240

accccgacga cgacgactgc tacaccaagg gcat 274

<210> 8958
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e05b1

<400> 8958

tgttgctcga ctcgcagcag cagcagccgg cggagatcgt atcatggcga tggagggcta 60

cgaccgcgag ttctggcagt tcggcgacca gctgcggctc cagacggcca gcttctccgg 120

cctctccctc ggcgactcca tctggtcccc cgccgacgcc gccccccgcg cccgcaacgc 180

cgacctcttc tccccctccc cggcgcccga caacaacaac gccgccaaga tgaacggcaa 240

cggcctcaac gggcccggcc tcatcgggtc cggcaagctc gccttcggcg ccaccaccac 300

cagcaaggcc gaccgctaca acaacgtcag cctccccgcc gtcgtcgacg ccaacgccaa 360

gccctacggc aacgccaacg gcctatacgg tgccaagccc aacaacgcca ccaacaacg 419

<210> 8959
<211> 316
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e06b1

<400> 8959

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gttgaggaca gcgggaacac ggcgccgtcg tcgccggccg ggctccgcgg cgccgacctg 120

gccctgaggg tgcttctgtt cgccgtctcg ttgtcggggc tcgtcgtgct ggtcaccgtc 180

aagcagacgg agatggtgcc cctggtcctg acgccgccgt tcagattcgg gccggtgccc 240

gcccagttca aagactcgcc agcgctcatt tatcttcttg tggcgctgtg catgacgagc 300

ttgtatagcc ttctga 316

<210> 8960
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e07b1

<400> 8960

gacccaaatg ttagataaat gttcccttgg ttacttgggt tggatatgtg atacatccct 60

catggcaccg tccggcatgc ccctgcttcc aagagataca aatcatgact gtcctccgga 120

gttgaagcat ttgtcaaagg aaatagttaa caagtgcaaa ggcttgcctc ttgttattgt 180

gttagttggt agccttttgc gtgtgcgtga gaaaactgtg gaagaatgga gaaaaataaa 240

tgaccaattg ggttgggagc taattaacaa ttcgaggttc gatcacataa ggaatgtttt 300

gcatctgagt ttcatgtatc ttccaacaca tttgaaaagt tgtttcctgt actgcagttt 360

atttccagaa gactatattt tcaaaaggaa agaacttgta cgattatgga tagc 414

<210> 8961
<211> 122
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e08b1

<400> 8961

tctacgcgtc cggtattctg caccggccga cagcttctga gatttgatct ctatccctat 60

atgcaattaa tcttagttaa gcaagcaagt tactagctgc tagctaacaa gaaatagaaa 120

tg 122

<210> 8962
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e09b1

<400> 8962

tattgcgcct tcttcgacta cgccagagga aatgccgtcg gcatggcacc gggcgcgcgc 60

atagccgtct acaaagtgtg ttggaaaggg tgcgcgagct ctgacatcct cgccgcgttt 120

gatgaggcca ttgcggacgg tgtcgacgtt atctctctct ccctcggctc caacggcaag 180

gccccggact tttatagcga tacgaccgcc gtgggtgcgt tccgcgccgt cagcaagggc 240

atcgtcgtct ccgcctcggc gggaaactcc ggccccaaag agtccaccgt cgtcaacgtc 300

gcgccatggt tcttgacggt cggcgcgtcc actctcaac 339

<210> 8963
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e10b1

<400> 8963

tgtgatagag agagaaccga tttgcctgag aagtgactca gtcccatgct tgtccccttc 60

acttcctcta tctctcactc acaggcgatg tcgacaagga cgagacggag atattgggtg 120

cgaggggagc tccagaaaac gatggaggtg tgcccgtccc gtcccgtggt cgacagggcg 180

tggcactcct gtcaccagga aagggattca aatttagagt ctggctatgg tgagggccgt 240

agtgcatgag ggagaagctg gggcgatgga ttcacgagaa actcacccaa acgccttctt 300

cagtagctgc ctgggcggac ggcgccggct cgacctacag cgaac 345

<210> 8964
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e11b1

<400> 8964

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gctacgacct cttcgtcacc ttcggccgcc cgctcccgcc ctccgacgag acctgctacc 180

cctgctccgc cccctccacc tcctacgacg cgccccacta cgccgtcgag gagccctccc 240

cctacgccca ccaccagaa 259

<210> 8965
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054e12b1

<400> 8965

ttcacgcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccggc agacctgact 60

ttgactgtag aagtactgaa gaaaccgagg cttggttcat agattctttt gaggaatggc 120

gcaaagcaaa aaacctcagt aattttatat tgcttggtca ttctttcgga ggatatgttg 180

cggcaaagta tgccttacag catcctgaac atgttcagca cttgattttg gttggttctg 240

ctggcttttc gtcagaaaca gatcatagtt ctgagtggtt aaccaagttc cgtgcaacgt 300

ggaaaggcat gctagtaaac catcttt 327

<210> 8966
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f01b1

<400> 8966

agtttccaaa cgccctactt taattttaat tatcgccgct gctcccacgc gccttcacgt 60

acgtaccgac gacctttcgc tcgcttttct tccgcctagt ctgcccgcca gatctgcatc 120

cgcggagatg aagatcacgg tgcggggatc gacggtcgtg gtgccggcgg aggagacgcc 180

gcggctccgg ctgtggaacg ccaacccgga cctggtcgtg ccgcggatcc acacgccgag 240

cg 242

<210> 8967
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f02b1

<400> 8967

ctcttcgtcc gcccacgcgt ccgagctcct ctcccccgct ctcctccacc cctcccatgg 60

ccgcccccag ctcctgggcc tccccgttcc acgaaaagag agcttagcgc tgccgagccc 120

tccgtcctct ccacttcccg gctgctttct ccgtccgtcc ggtcgtcaat cttcgtcgag 180

cagagagagg gagggaggag gtcgtcagat tcgcgcgaga tccatgggga agtacgtgga 240

gctgctggac atggggg 257

<210> 8968
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f03b1

<400> 8968

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tcaagcctta cacacctact acattggatt ctgatctcgg aaattttcag cttgttataa 120

agatgtaccc tcaaggaaga atgtcgcatc acttccgtga aatgaaagtt ggtgattata 180

tgtctgtgaa gggacctaag ggtcgtttca agtaccaagt aggacaagtg agagctttcg 240

gaatgctggc tggtggatct ggcattactc cgatgttcca agttgcaagg gcaattctcg 300

agaaccctaa tgacaaaacg aaggggcatc tagtctatgc aaatgtcaca cctgaagaca 360

ttc 363

<210> 8969
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f04b1

<400> 8969

cttttcccct aggctctcct tcgccgtcgg tcgggctccc tctccgacac gccgccgtcg 60

atacatccac ccgaggcatg gcgacggcgt tcaaggcgtt cgtgaacagc cccgtcggcc 120

ccaagaccac ccacttctgg ggccccgtcg ctaactgggg cttcgtcctc gcgggtttgg 180

ttgacttgaa caagcctcct gagatgatat ctggcaatat gacagccgcc atgtgtgtgt 240

attctgggct ctttatgagg ttcgcgtgga tggtacagcc ccggaactac ttgctcctgg 300

catgccatgc ctccaacgaa accgttcagc tctatcattt atctcgctgt gctagggctc 360

aggggtatct ggattccaag aaaga 385

<210> 8970
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f05b1

<400> 8970

gtcatatgcc ctttcaaact gctgatgagt ttccggtgaa cacagtatca atcaggtttc 60

ctcgtctata gtacttttcc ttcatcaatc ttgtacacaa actatctggt cgctcaatca 120

aacgccaagc ttgcctcgaa agcaaagcct ggttaaagag gcccatgtca cgaaaaccga 180

gaccaccttg attctttggg agaattaatt tttcccatgc aatccagtgt gtcttatgtt 240

ttcctttctc cacaccccac cagtacctcc ggaccatctt ggtcagttca tcacacaccg 300

acaatggagt ttaaatacgc tcataacata tgtcgggata gcattagcaa ctgc 354

<210> 8971
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f06b1

<400> 8971

gtttgacagt aatgttgtcc aacaaggaat tgataaatgc ccattcctga ggaacatcaa 60

cgagcctaca agtttttcct tgacatccat taatttcccc actccggcaa ccggagcaaa 120

gggtccaatt tttgaagacg ggcccaactt tgacacggca tttcgagttt tccacggcag 180

agacggggtt gttccacttt cagaaggagc atttgctcat attgagaagc ctctgccaaa 240

gcccgctcca gaatttaacc ccttggcagc caaagcagct accatcagtc tctcaggatt 300

cggaggcttt t 311

<210> 8972
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f07b1

<400> 8972

ctcacgcgtc cgcccacgcg tccgctcggc cccgccatgg aggtgttcta ctacctcgtc 60

ttcggcggcc tcgccgccgt cgtggcggcg ctggagctcg gcaagtccgg caaggaccgc 120

gtcgccaccc cgacggcctt caactccttc aagaacaact acgtcctcgt ctactccctc 180

atgatgtctg gggactggct gcaggggccc tacgtgtact acctctacag ccagtacggg 240

ttcgacaagg gcgacatcgg c 261

<210> 8973
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f08b1

<400> 8973

tttgtatcaa cgaggacaac acggtcatca accgcgaggg cctgatgaac atccacatgc 60

cggcctactt cgacgctctc gccaagggcg tctccaccgt catgatctcc tactccagct 120

ggaacggggt caagatgcac gccaaccaag atctggtcac cggatacctc aaggacacgc 180

tcaaattcca gggcttcgtg atctcagatt ggatgggcat tgacaagctc acgacccctt 240

atggggcgga ctacccctac tcggtcaagg cttccgttct tgccggcctt gacatgatca 300

tg 302

<210> 8974
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f10b1

<400> 8974

ttgagagcca tcgcggcaac cacaaacaaa cccagctgaa aggcgcacac accaccgtgc 60

aggttacatg ggaggaggcc gcggtctggt caccgggttc tacgtctggg gctgggagtt 120

cctcaccgcg ctcctcctct tctccgccgc cctctcctgc tagcttctcg atcaaccctt 180

gaatcttgat tgattataat ccagttctac gcatacatag atacaccaaa cttactagta 240

ttaggtagag agacatctgt taggtgattg tgattgagcc 280

<210> 8975
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f11b1

<400> 8975

tttgctcgtg acgctcggcc tccccatgat cctcgaggag ccgctcctcc acaccgtgca 60

cctcccgccc atcctcgtca gcggcgacta caaggcgctg tacaagtact tctacgccgc 120

cgcgaccaag gcgctcgaca ccgccgaggg cctcgggctg aagcgggacg aggcatgcca 180

caacctgctg ttcgccaccg tcttcaacag ctacggcggc ctcaaggtgc tgctcccggg 240

gatcctcgcg cgcatcgcgg gggccggaga gaagttccac cagaagctcg tcgcggagat 300

acgcgccgcc gtggctgacg ccggcggcaa ggtgacgata gaggcgctgg agaagatgga 360

gctgaccaag tcggctgtgt gggaggcgct gcggctggac 400

<210> 8976
<211> 109
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054f12b1

<400> 8976

tccacgcgtc cgcccacgcg tccgtctcag cagaaatctt tctttggttt tggaacccct 60

ggtgactcat atggaagagg cttctctcat agtggtgggt tcccacagg 109

<210> 8977

<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g02b1

<400> 8977

gctccgcgct gctgcacgtc gtctccgggt acaccacgcc ggcgccggag ttcttcttcc 60

cggcgagcaa gcaggcgtgc tcggcgtgcg ggaaggacgg atgcctcggg tgcgagttct 120

tcggcgcgga ggccgggcgc gcggtcacgg catcggacgc gccgagagc 169

<210> 8978
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g03b1

<400> 8978

gtgttctcag ctgaagaaat ttcttccatg gtcctcatca agatgcgtga gatcgctgag 60

gcttacctag gagtaactat taagaatgct gttgtcaccg tgcctgctta cttcaatgat 120

tcccagaggc aggcaaccaa ggatgccggt gttattgctg gtcttaatgt gatgcgtatc 180

atcaacgagc caacagcagc tgcaattgct tatggtcttg acaagaaggc taccagtgtc 240

ggtgagaaga atgtgcttat ctttgacctt ggtggtggca cttttgatgt ctctctcctt 300

accattgagg agggtatttt tgaggtgaag gccacggctg gtgacactca cct 353

<210> 8979
<211> 356
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189054g04b1

<400> 8979

anttcaatca ccgtgtgtga cagaattaaa catggctatg agaggcaaca atgtcaagac 60

cattgtgatg atgctcgtag ttgtgggtgt tgtggccatg gagcaaaccc agcaagtaca 120

agcatcccac tgttgttatg atctcaactc ggtcgatacc tattttaagt gccgcgcaaa 180

atctgatagc actgtctcag agtgctgcgg tgtttccgct ggctatatat cagaagccgc 240

tggatttgaa tgcaagcccg gttatataga tatagagact gcactgtaag ccaccaacta 300

ctgcaagatt gggtgcacgg ctttcttgtg caacaaatta actccttctg ggaaag 356

<210> 8980
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g05b1

<400> 8980

tgcgcaacaa caaacaacgc tccctgtgcc aactcacagc acattactgt actgtacgac 60

cggagtaccg ggcaatgatt tcaaacaatg gctacagcct ggacggggca gcgcctctgc 120

cccggccgta cggggaaatt caatggctgc tgactgaccc cgtcactgtg caaatctctg 180

catacacacg ccccaggagt aaaaactcgt atttttcacc tcccgacggt gaatgaactt 240

acaacaattt cgctatcgct ttgctaaatt cgggcgcaaa attgacctgc atcatggcct 300

agctttctac cggtaaaaca cttttt 326

<210> 8981
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g06b1

<400> 8981

cctacgcgtc cgcggacgcg tgggctcctc agcatcttct catctggcga cgaagaggcg 60

acgtcggggc gctcctgctc cgtcgcgacc cccacgccct tctgacctat gtcggatcag 120

ggaatacatg ctgcttctgt tcgagacacc ctctggcttt gcagtctttc ttttttgtgg 180

gtcactcatt aacccaccta gatctttgga ggacatatg 219

<210> 8982
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g08b1

<400> 8982

ctgacgcgtg ggcagcgcgt cgggcttcgt cgccgaggtc gtcaccctct tcatcgacga 60

cgccgaccgg atcatcgtcg acatcgggag cctgttggac cagcccg 107

<210> 8983
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g09b1

<400> 8983

tttggctctc ctcaagaact tcgccgcttt cctgtgcgtg atcctggcca cgctcgcctt 60

cgtcgcgcag gatgcgctcg tcgccagagg tgctttgaac aacgtgaagg gatacacggg 120

tacctacaca ggcaacccag gcggtggtta cggcggtggt tatgggaacg ggaagtatcc 180

atgataggcc gcatatgatg atacttggag cacggaaata caaaatacgt acggcagacc 240

atgaataaat tatcacccgt tactggtata tcgtactctc tctgatccat aataagtctc 300

gcagttttgt accaaggtca gttcaaacct taatacaaaa ctgcaacact tatcttagat 360

tggagggagt accaaaaaca tagtga 386

<210> 8984
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g10b1

<400> 8984

tacgcgttcg agggatttca tctccaacgg cgttgatgga atatggaatg atatgaacga 60

gcctgctatg acaactacta ctaaaacaat gcctgagagc aatatacata gaggagatgc 120

tgatattggt ggtgtccaga atcattctta ctatcataat gtttatggaa tgctgatggc 180

aagatctact tatgaaggaa tggtgatgtc caatacagaa aagc 224

<210> 8985
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g11b1

<400> 8985

tgaaggggac cgggaagtgg acggtgcagc aggcggcgga gcttgcagtc gctgcaccca 60

ccattgcagc atcactggat gggaggtact tgtcggggct caaggatgag cgagttgcag 120

ccgcaagtgt gctagaggaa gaggggatgc cagttgggct tctggagaag attaatgtct 180

ataagaagga gctggtggac agggtgaggt agg 213

<210> 8986
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054g12b1

<400> 8986

tgtggccacc atttatgccc atcattcatc atgacatttt aaatgagata ccaatccacc 60

tacaaaggat gcagtacctt gcattttgtt cattgttggg attgacgtta tgcctctttt 120

ggaacatcat tgcaactacc gcagcatgga ttaaaggggc aggtgttgtc atctggttgc 180

tagcaattat ttact 195

<210> 8987
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h02b1

<400> 8987

gtttgtatgc tgaggaacaa gcaggcagtc cgggatgcgg cgatcggcga tggcgctccg 60

ctccacggcg gaccggtgct tcggccacca ctcaccgttg acgaacggta ttcaatcaac 120

attcagtgca aacgtcggtt caagatgggg aagtcttgca agagctttca gtgcaaaacc 180

acttggaaat gaggttattg ggattgattt gggaacaacg aattcaggtg tttctgttat 240

ggagggaaag aat 253

<210> 8988
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h03b1

<400> 8988

ctactgcacc cggaagggct ggcccaacag tgtgggtttt ggcacctacc agagagccag 60

catcacagat aatggacgaa gctgaggcat tgggcggatc atcaagaatt gcttctacgt 120

gcctttatgg cggagctcct aaagggcccc agtttagaga tttagaaaga gg 172

<210> 8989
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h04b1

<400> 8989

cctctcgtcc gcggacgcgt gggttcagct aagctaaaag tgagtgttgt cttaaagtga 60

gatggagcaa tatgaaaagc ttccaaaagg agatatggta ttagaggccc tatacaacaa 120

ctgcttgcaa ctggtggaca cttcgctgag ccatttggca actgagccat cagttgacaa 180

agcacacgag actcattctg taccattttc attatatgct ctctctagaa tgggatttaa 240

cttgctgaag agaaaaaatg aaactgaaaa ggagataagc tcttgtgctg tttgtgttgg 300

tgcgacaaaa tctgtggagg ctgctgtgca agagtcattt ctttat 346

<210> 8990
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h05b1

<400> 8990

cctattcgtc cgggattcga tttggatttc tagggtttgc tcatcctcat ccccatcccc 60

tcctccgtcg ccggacgtcg tcttccccac ctccgatcaa atttgggatt tttcatcgat 120

ttccataaga tatgatcccc aactccttcg acaccttgct ctgatctgtc cccccaggaa 180

atcccacatc cagattccac atactatggt gcgccgccgc ccgtcttcct cctcctcctc 240

ctcgtcgccg atgctccaca agaacctccg tgcgctcggc cccggcctca atccgtttgc 300

ccccttcggc atgggcaact actcccgcta atccccccctc ccctcccctc tcctctgctc 360

tgatttgctt ttctccccgg atccgatttg cttctccccc cttctcgttc ttgatttgat 420

tggattggat tgctcctctc tc 442

<210> 8991
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h07b1

<400> 8991

taaaataaaa ctctcgacgc ataccagatt tttaagtttc atgatggcgt cgttgaagat 60

gttgcttggc atttgaggca tgaatactta ttcggctcag ttggtgatga tcatcatctc 120

ctaatttggg atatgcgtag tcctgcacct accaagcctg tacagtctgt ggtggcacac 180

cagggtgagg tgaattgcct ggctttcaat cctttcaatg aatgggttgc tgtaactggt 240

tcaaccgaca agactgtcaa attatttgat cttcggtaga ttgatactcc gctgcacact 300

tttgattgtc acaaaga 317

<210> 8992
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h08b1

<400> 8992

atggaaacct agctaagacc gaaaactcca atagcagtcc agcagaaaac taaatacatc 60

accagcatca atggccaggt cacaggcatt ggctgcaaca ttgttgcttg tcctggtggt 120

gtcccttgcc gcaataggga gtgttcatgg cgtttgcggt atgtcaaatg acgaattcaa 180

gctttgtcag cccgcggcgg cagtgaataa cccaacaaac agtccatctg ctgagtgttg 240

tgccgcgtta ggaaaggcaa acctatcatg catctgccgc tacaaaggca tggccggtat 300

atggct 306

<210> 8993
<211> 184
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h09b1

<400> 8993

ctacgcgtcc gcaaggtctg gcccaacagt gttagttttg gcacctacca gagagctcgc 60

aacacagatt ttggacgaag ctgtgaaatt tggcagatca tcaagaattg cttctacgtg 120

cctttatggc ggtgctccta aagggcccca gttaagagat ttagaaagag gggttgatgt 180

tgtt 184

<210> 8994
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h11b1

<400> 8994

ttctgcgata cgagatcaac aggggcttcg ctagcctgtg ggcgattggt caaggccgtg 60

acctgaagaa attcctgatt gtggttgcag gcctgtggat cctctctttt cttggcagct 120

gctgcaattt cctgaccttg ctctacatag gtaaatgtgg tttcttgcta cagtctgttt 180

gttacttaca tatgtgcaat aagcttgcct agcattgttt cgctgatcat gccttcttgt 240

ttgcagtctt catggtgctt tacaccgtgc ctgttctgta cgagaagtat gaggacaaga 300

tcgatgcttt tggagagaag gccatggtcg agctgaagaa gtactacgcc atcttcgatg 360

agaagtgcct g 371

<210> 8995
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189054h12b1

<400> 8995

ctcaccaacc tcgcggaaac cctaggcgag cgggagcctt ctccgatccc ctctccccga 60

tctctataaa acaccgcgga tttcgaattc tgtcttcccc gcgggaatca caccggcgcc 120

tcctccctcg gcgcgcccgg accgggctcc tcccgcgggg ccggggctgg caccaggggc 180

ggcggtgggg gg 192

<210> 8996
<211> 67
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a01b1

<400> 8996

ttgcttctgg tcagaagtca agtgtgacag taaacacaga aaatgttaag aaagctgttg 60

aggtttc 67

<210> 8997
<211> 124
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a04b1

<400> 8997

tcttcacgcg tccgcccacg cgtccggcag aagatgccca tctgcaatca gccaatggag 60

caacatcggg atgacctgga cttgtttatg cctgggcaga agacgtcaaa ttgatgggtc 120

cgac 124

<210> 8998
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a06b1

<400> 8998

ttctttagca gaagcaaagc atccgaactt ccgaggcgag gcagatttgg ttcgcggggc 60

ggcgtcggag gaggcaccgt cggcggtgag ctcggccggc tctaccgtgc gcgggaccga 120

tacgtcgtcc tccgccggcg cgagcaatgg cggcggcgcc gcggg 165

<210> 8999
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a07b1

<400> 8999

ttcggccacg gcttatctaa aagaaccatg gaagatgggt gtgcacaaaa gaaatggtgt 60

tgtatacctt gatgtccata aactccctga aagaccacag agtgaaattg accgcaggag 120

atgtttttgg ggctattctt ttgaaaatct tgccactgag aactccattg acgaagagga 180

agcggtattg atgctaatgt agagtattgt tctgtaataa agacgaaatt gggcgcgcat 240

cgcattgtca tgggtgctga gatggactgc tgtgattcaa ccgacgatgg agggcggttc 300

ttgtgggagt tgaaaacaag cagagagctg gagtatcata cggtggaaaa at 352

<210> 9000
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a08b1

<400> 9000

tttccacgcg tccgctccgc gagctcatct ccaactcctc cgatgccttg gacaagatca 60

ggttcgagag cctcacggac aagagcaagc tcgatgcgca gcccgagctc ttcatccaca 120

tcatccccga caaggcgacc agcacgctca cgatcgtcga cagcggcatt ggcatgacca 180

agtcggacct cgtcaacaac ctcgggacca tcgccaggtc ggggaccaag gagttcatgg 240

aggcactcgc tgcaggcgct gacgtgtcca tgatgggcgg tttcggtgct tgggttctac 300

tccgc 305

<210> 9001
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a09b1

<400> 9001

ttctttccac gcgtccggga aaggcgtctt cgaactcgcc tctctccgcg caaccgagcc 60

ttcgccctcc tccttcccca ttgcgacagc ggcgcagccc accaaccacc cccacccgcc 120

ggcatgaggg agtgcatctc gatccacata ggccaggccg gcatccaggt cgggaacgcg 180

tgctgggagc tctattgcct cgagcatggc attcagcctg atggccagat gcccggtgac 240

aagaccgctg ggg 253

<210> 9002
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055a11b1

<400> 9002

ttctcggcgg cggcgcgcgc ataggaggcg aagcagcatc ggagccaagc caccgacgcc 60

accatgggta tctcgcgtga ctccatgcac aagcgccggg ccaccggtgg gaagcagaag 120

gcgtggagga agaagcgaaa gtatgagctc ggccgccagc cagccaacac taagctttcg 180

agcaacatga cagtgaggag ggtccgtgtt cgcggaggta acgtgaagtg gagggctctc 240

cgtctggaca ctggtaactt ctcatggggt agtgagggct gtgacccgca agacccgtct 300

cgtggatgtt ggtttacaat tcgtcaaaca atgagcttgt gaggactcaa acccttgtca 360

agaatgccat tgtgcaagtt gatg 384

<210> 9003
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b01b1

<400> 9003

tcatcgcgtc cggccccgct gagcgagcac cagatgcgcc tcacgcgcgc cctggccaag 60

aggcccaaga ccaagatgct caccgggttc ggcgtcaaac ccaccgctgc tttctccaag 120

ccggcgcagc tgcaggcgca ggcgctgatg tccggtgcgc agtc 164

<210> 9004
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b02b1

<400> 9004

tcttcgccag tcgccgccac ctcccaccta ccgtcccgtc atcatcatcc atcctcatcc 60

tcctccaaga acccggcaga atcatcgcga gagcaccatg tccaatcacg actccgcgtg 120

gccctcattt tgattgatct taagctgcag ctcggggatt ggctcgctgt tagcctgtcg 180

gaccaccccct ccatggcgcc cgaagtgaag gtgccgctgc tggagggtag ggggtcgcga 240

cgcccgcgca gacgttgggg aacatcgtcg tgtccatcgt cggcaccggc gtgctcggcc 300

tgccctacgc ct 312

<210> 9005
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b03b1

<400> 9005

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tgacaagatg gttctgaaga ccgagctctg ccgttttagc ggccagatga tttaccctgg 120

gaagggtatc aggttcattc gttcggattc gcaggttttc ctctttgcca actcaaaatg 180

caagcgctac ttccacaacc gcctgaagcc tgcatagctt tgctggacag caatgtacag 240

gaagcagcac aagaaggaca tccatgctga ggctgccaag aagaggcgcc gcaccaccaa 300

gaagccgtac tcacggtcga tt 322

<210> 9006
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b04b1

<400> 9006

ttcgtcggcc aaagcttgac catacccttg ttccttcaac atttgacggc cggcaagctc 60

ttgtcctcag tgcagcgaag gcagacggcc atggacggac acagcccggt gatgacggac 120

agcgagcgga gggcgtaccg gtacatgcag gcgcccaagg tgcagggcct gggcggcatc 180

aagaactcat ggtccaacga ctcctcttc agcctcagct acgccggcgc ggggggcagg 240

gctcgtcgtc cactcgtgcg tctgcgcgcc caccacgcac ccgggctcct tccgctgcaa 300

gcaccaccgc cagagcgccg 320

<210> 9007
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b05b1

<400> 9007

ttgttcagtt tcaaactgga gccgaagggt caaagttaag gagggatgtt tccgcacaag 60

gcaatgttgg tgcagggccc tctactagag gtctagtgtc aatgctgtct ggtcaagaag 120

agatgttcgc gttccaaagg gcgatatctc ggctcgtaga aatgcagacc ccgctgtatc 180

tcgagcgcgt ccagcatgtc cattcttccg cccttcaaca acagcagggc acccctgttc 240

tcgcataaca gagcactgga tcctcagtct gctccctggt agactggtag tactattcta 300

ttcattcttg gaaaataatc ttgcaactgt 330

<210> 9008
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b06b1

<400> 9008

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ttacataggt ttgtggtgct gaattcatag caacgtaatt taggatgggt gattttatcc 120

attgatgatg atagcaaatt gtgctaaggc ttgggctcaa tagggaaaga aagagagaga 180

gagagagccc tttttatact tgggataggc atacaattgg aaattttggt tggctattgt 240

ctgttggttc attgtctagc tataatgttt tgcttcgctg cctaaatgcg gctttgtagc 300

ctgaataatg tacagatttt ttggttgctc 330

<210> 9009
<211> 343
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189055b07b1

<400> 9009

ttttgaacgc cgccgtgcag cctagctcct ccttctctcc tccaaccttt tccccccctgt 60

tctgcaagcc ctttccgtct acttctggct gcttcctcgc gcaggtgcta ttatttctga 120

gcttccgagg cgacagagct gcacaagagc agagcagagc acgcataggg agagagggag 180

atgagnggag atcataagca tccacatcgg gcaggcgggc atccaggtgg ggaattcctg 240

ctgggagctc tactgcctcg agcatggcat ccagcccgac ggcctcatgc ccagtgatac 300

ctcggttggg gttgcaaagg atgcattcaa cacattcttc agc 343

<210> 9010
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b08b1

<400> 9010

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ccatgggcta cggcaacgac ctgcttgggc ttatgttgga ggcgtgcgcg gcagagggcg 120

ggcataatcc gattttaagc atggacgaga tcatagatga gtgcaagacc ttcttctttg 180

ccgggcatga caccagctca cacctgctca catggaccat gttcttgctg agtacgcacc 240

ctgagtggca ggagaagctc agggaggagg tgctaagaga ggtgggcagt tgaggttccc 300

accggtgaca tgctcaacaa actgcacttg ctcaacatgt tccttctaga aactcagagg 360

ttatacgccc ctgtgtcact cattcagagg ta 392

<210> 9011
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b09b1

<400> 9011

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gtggagagct ccagagagta gcattatgtt tgtgccttgg aaagcctgca gatatttatt 120

taattgatga gccaagtgca tatctcgatt cagagcagcg tattgttgcc tcgaaggtta 180

tcaaaagatt catccttcat gcaaagaaaa ctgcatttat tgtggagcat gatttcatta 240

tggcaaccta cttagcggac aaggttattg tttatgaggg acttgcttct attgactgta 300

ctgccaatgc accacagtct ttggtatctg ggatgaataa attcttatcg catcttgaca 360

ttacatttag aagagacccg accaactaca ggccacgaat caacaaactg g 411

<210> 9012
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b10b1

<400> 9012

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gtgtggcttg cgtccgacga agcctccgga gagctcctgg ccgtcaagtc cgccggcgcc 180

ggtggcgcgg cgcagctgga gcgcgagggc agcgtgctca ccggg 225

<210> 9013
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b11b1

<400> 9013

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cgtgtgcgcg tcggggtcga cggtggtgca gcgggcgagg aggaagtagg tgccggggga 120

gtcggtgacg gggggctgga tgcgcgcgag cggctcgtcg acggagcgga actcgagcgt 180

gccgacgcag gtggaggcga gcagcggcgt gaagaccatg tggttgcgcg gggaga 236

<210> 9014
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055b12b1

<400> 9014

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aagcttcctg attacaatgc tagaaaggtg ggggtgcaat acttccatga ccatgcaact 120

actgctgccg ctgttggcat gaagccctct cctgtggtcg atttttcttg ggtagtgggc 180

cctaaaggac ttgccttcgg tggggaagc 209

<210> 9015
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c04b1

<400> 9015

tcgttcacgc gtccgctttc ctggaggcat gggttgctgg ggtaaaatac cctccgtcga 60

tggacccttc gtttgagctg ccggagtccg aggtgaggga gaggt 105

<210> 9016
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c05b1

<400> 9016

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catgcccatg ctctgttgag gcgagcctca ggctcttggt ctcgtcttgg ttcatctttg 180

cttaatgacg acgcaatgac gcctccccga cttgctaatc gtcttgaact tccgtggcgg 240

agcgctcagt caaggactgt tggcat 266

<210> 9017
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c07b1

<400> 9017

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gtgtctgcca cggccgtgca caaggtgaag ctcataggcc cggacggaga agagcacgag 180

tttgaggccc ctgaagacac ctacattctc gaggcagctg aaactgccgg agtggagctg 240

ccattctctt gccgcgccgg atcgtgctcc acatgcgcgg gcaagatgac gaccggggag 300

gtcgatcagt cggagggctc cttcctcgat gagagccaga tgggtgcagg gataccttct 360

gacctgcatt tcatacccca aggcggattg cgtcattcaa acccaccaag aggaggaact 420

ctactaattg gctcacatgt gc 442

<210> 9018
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c08b1

<400> 9018

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tggtggatct gtcaggccta ccgcgggagc cagtgctggt ggctaccaag ctgatgatcg 180

tccgggcatg gctgctgggg gtatgaatgg caggaatgtt gcttttggct ggtggaatgc 240

ctgagcctcc ccttccccca gatgcct 267

<210> 9019
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c09b1

<400> 9019

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tctcgccaac gcgatggcga cgccggcccg ccggccgtcg gcgcagcagc agcagccgct 120

gacggtggac ttcgaggcgc tgagctacat cagcaggctc gtggaggcgt tccaggcgtt 180

cgactccgac aacgacggcc tggtcacggc ccccgagctc cggggcctcc tggcctccct 240

gggcctggac aagtcggagg cggaggcgcg ggacatgctg gcccgccccg acgccgaccg 300

tgacggccgg cttggttggt aggagttctt ggacgtgatg aacgcaggcg agctcggctt 360

ggggcgcgct cggcgcgctc ctgcag 386

<210> 9020
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c10b1

<400> 9020

cggcgatcaa ggagaatcaa gaagccggcg tacagaccga tccatcgatc gacccttgcc 60

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gggggggcgac ggtggggacc tggagtcggt cggcggcggc gtgcggtaga tgacacgtcc 180

tacaacgacg gcctggtcac ggcccccgag ctccggggcc tcctggacta gctgggcctg 240

gaca 244

<210> 9021
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c11b1

<400> 9021

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ggttacctcg aaggcaaacg accaggacgg cgactttgcg gagctatacg tgttcaagtg 120

gaccaggctc ctcatccctc cgaccaccgt actggtgatt aacctggtgg gcatggtggc 180

aggcatatca tatgccatca acagcggtta ccaatcctgg ggtccactct tcggaaagct 240

cttgttctca atctgggtga tcctccatct ttactccttc ctcaagggtc tcatggggaa 300

gcagaaccgc acgccaacca 320

<210> 9022
<211> 79
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055c12b1

<400> 9022

gcccgacgac tcagctgaga gacggacggg ccctctaggg ggcggccatc aacgatggtg 60

gtggacgcag aggaaatgg 79

<210> 9023
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d02b1

<400> 9023

ttcacgcgtc cgcaggaatg aaaataacaa aaaagttcaa aaagcatgca gggatttctc 60

ataagaatta gcacaaatgc ctagagggat caacatagac tctcccaagc tcacaggcag 120

agctcaggac catgcatgca ttctgcaaat ctttatcccc ccaacgatgc tatgtgcttg 180

atgtcttgta caaggtgggt tatgtgctgc tgtgttgttt ctgtccagtg tgaaaaagtg 240

gaatgccata aataaaatag aagaatggaa gttgatcccc aggaaataaa agaataggaa 300

aacatgcaag ttggtagtat tattgtattt ccaaggctgt agctgtactg atttctgaat 360

gttaaattac tctatcagtc ttcgttacca tctatctatt atatacctat gacagaagac 420

atgatgacg 429

<210> 9024
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d03b1

<400> 9024

gtcggcgtct tcgcctccgt ctccgccgat ggctccgtcc gcgtctttga tctccgggac 60

aaggagcact ccaccatcgt ctacgagagc ccccgcccgg acacgccgct cctcaggctt 120

gcctggaacc gctatgacct gcgatacatg gccgccctgc tcatggacag caacgccgtc 180

gttgtgctcg acatacgcgc acccggggtg cctgtggccg agctacatcg gatgggggat 240

gcgtcaacgc tgttgcgtgg gcaccgcagg ctgcaagaca c 281

<210> 9025

<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d04b1

<400> 9025

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tgcagcacac ctgcgctgcg cgagatgttc cccgcaggcg accacctcct ccttttcgcg 120

ctcgcttccc tcgggggcgc agcggcggcc ggcgccggcg aggggttctg ctcggcggaa 180

ccgtcaaacg attgttctca gtcgccgccg ctctactcga aggtcaccag tcccactctc 240

gcacccgtgc atttgcaaga tttacctggc ttcacacgta gtgtgtacaa aaaggatcat 300

gctttaataa caccagaaag ccatgtattc agtcctttgc ctgattggac caacacgtta 360

ggagcatatt tgat 374

<210> 9026
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d05b1

<400> 9026

gtactgtgca tatgttggtg accagggcgt gtctggtctc atctgttccg cgacagcctc 60

gcttgccaag gtctgccttc agggtttgag catcactgat gcttctcttg ctgtgattgg 120

gtactatgga aaggcgatca caaacctcac cctcactcgc ctgtccgcgg ttggcgagag 180

gggtttttgg gtgatggcac atgcccttgg cctgcataag ctcatatg 228

<210> 9027
<211> 372
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189055d06b1

<400> 9027

tcgtgttcgc ccacggtcta atccgattca aacgcaccgc ttcctcgtgt ccgaactaag 60

ccccaatccc gtcaccaccg ccgctggtgc tcggcgcgat ggcgcagaag gacgccgcca 120

atggcaacgg cgccaccacg cgcccgtcgc ccactccctc ccccatccgc ttctccaagt 180

tcttccaggc caacatgcgg atcctggtca ccggcggagc tggcttcatc ggctcgcacc 240

tcgtcgacaa gctcatggag aacgagaaga acgaggtcat tgttgctgac aacttttca 300

ctgggtcaaa agacaacctg aagaagtggg atcggacacc ntagatttga actcatccgc 360

aacgatgtca cc 372

<210> 9028
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d07b1

<400> 9028

tgttcgcttc ataggtggaa agcaaacttt atcactaaag ctatggccaa ccaaactgcc 60

ttagttactg atagagcaag gttatcagct tttaaccaag tctcctcatt gggactgatt 120

gcacttggta taatgggtct tgctgaggct tgtggtgtag ctgttcaatc aatattaact 180

gttggtggtg tgggcaggtg ttgctacggc ttttgctgct tgagatgtct cgggcatcgt 240

gttgaatggg ttctccttac aattttctag gccattctga gctggagaat acataaaggc 300

tgggtcaata gaaggcatgg cactcgatat aggacttact tcaacttt 348

<210> 9029
<211> 160
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d08b1

<400> 9029

gtccgccgcg aggccgcctc cggcctcgac atccgcttcc accgcctccc cgccgtcgac 60

cccccggccg acgccgtcgg ggtcgaggac ttcatcgcgc gctacatcca gctccacgcg 120

ccccacgtcc gggacgccgt cgccgggatg ccctgccctg 160

<210> 9030
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d09b1

<400> 9030

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gagcctgcct cctggtgctt tcccaaggca tgctgctgca atcctatgat ctgcccgagt 180

ggctttatct gttatctgtc tgtttgaaca tttgctttgt ggtgtattgt tttacaacct 240

gttgtgttgt aagaaccttg tatgtttgaa cctgttatgc accttggtta atatgcatag 300

<210> 9031
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d10b1

<400> 9031

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acttgcactt gtttgacttt tcaaaaaaca aatacacctt atataaagga acggagggag 120

tattatttat caatgaacga atctatctag ctgtgccgtc agacatttta tccgcggatg 180

atcgacgcaa atcggcagca aggacagttt ttgttttctg gcctatgaaa gctatgtctc 240

taaaggaagg atcactaaag tggtttttc attaacccac acataggtgc actacttgaa 300

agtcatgcac cctgagataa acatg 325

<210> 9032
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055d11b1

<400> 9032

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ccttctcctc ccaccccaat gagctcattg cactcttctc caggtatgtt caccagggca 180

aaggcatgct ccagcgccac cagctgcttg ctgagtttga cgaactgttc gaatccgaca 240

aggagaagta tgcgcccttt gaagacatcc tccgagctgc tcaggaagca attgtgctgc 300

ccccatgggt tgcacttgcc atcaggccca ggcctggtgt ctgggactac att 353

<210> 9033
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e01b1

<400> 9033

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tcaggtgctg ggatagctct gctagttcgt cgactttgga aatggccacc aactcgaggt 120

cgaactccag ggccaccttc tccagcgaga tccacgacat cggcacggtg cagaactcca 180

ccacgcccag catggtgtac tacaccgagc gg 212

<210> 9034
<211> 105
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e02b1

<400> 9034

ttcacgcgtc cgccctcccc acctactccc tcgccgcgcc gccgcgcagc cgcgagtgca 60

gcgaacatcg gcgccagtgc cacgcttatg gccgccacct cccat 105

<210> 9035
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e03b1

<400> 9035

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aagcagccac ttgttcagcc tgacaacgtg ccatatgttc ccgcaattaa ctctgctgcc 180

cctgttgaag ctcctgttat gaatatgtac tctgaccagg gaagcaactc ctttggctgc 240

tctga 245

<210> 9036
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e05b1

<400> 9036

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tacggcacat cggggccgcg agatctaggg ttttcgcgcc gcggcgggag cgatggggcg 180

ccggaaggcc acggcggggc cggctcgggg ctcctcgagg gccgaccacg gtgtaatctt 240

cgaaatccgg gggaaacata gattggaatt ggagaatttg acactaacaa agcacccatt 300

caggacattg cacttctgta atttagctat gttgcaatac ttgaaaagat cagcagcata 360

tatcctgagt aaaagagctt tgttt 385

<210> 9037
<211> 400
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189055e06b1

<400> 9037

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gaagagaaga ggagatcacc gagcccagcg cgcgcacagg acagcaggcg ccgcgatctc 120

gcgcaggagc ggagatgggg ctcacgttca cgaagctgtt cagccggctc ttcgccaaga 180

aggagatgag gatcctctac aagctcaagc tncgagagat cgtcaccacc atccccacaa 240

tcgggtttaa tgtcgaaact gtagagtaca agaacattag tttcaccgtt tgggatgtcg 300

ggggtcagga caagatcagg cccctgtgga ggcactactt ccagaacacc cagggtctca 360

tttttgtcgt ggacagcaat gacagagagc gtgttgttga 400

<210> 9038

<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e07b1

<400> 9038

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ctcctcatca cgcacccgga gatcaaggac gccgccgtcg tatcactgaa ggacgatctt 120

gctggcgaag tcccggtcgc cttcgttatg cggatcgaag gctccgaaat caccgaggat 180

gacatcaaga aattcgtcgc aaaggaggtt gttctctaca agaggatcca caaggtcttc 240

ttcactgact ccattcccaa gaaccc 266

<210> 9039
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e08b1

<400> 9039

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gagcaattgg aattttcgcc gacacatctc ttcaattgat cgtaatcaga ggtagattgg 120

agtatcacca ccaccactca agaaatggcg gccgagactt tcctcttcac ctctgagtct 180

gtgaacgagg gccaccctga caagctctgc gaccaggtct ctgacgctgt gcttgacgcg 240

tgcctcgccc aagacgctga cagcaaggtt gcctgtgaga catgcaccaa gaccaacatg 300

gtcatggttt ttggctgaga tcaccaccaa ggccactgtt gactatgaga agattgtgcg 360

tgacacctgc cgcaacattg gcttcatctc tgatgatgtt ggccttgatg ctgaccggtg 420

caaggtgctt gtcaacatag agcagcagtc tcct 454

<210> 9040
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e10b1

<400> 9040

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gccttcgccg gcgcctcgtc gccgctgctc cgcccggtcg gcgccagatt ctcgctgttc 180

agcagcatgg ccgccgccgc ctcctccgcc tcctccgtcc acgacttcac cgtcaaggat 240

gcaagtggaa aagatgtcga cctgagcacc tacaagggga aggctctcct cattgtcaat 300

gttgcatccc agtgtggctt gaccaattcc aactacacgg agctcgctca g 351

<210> 9041
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e11b1

<400> 9041

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ctgccgggaa atccagagtg taatgggctt attgaagaca aagagactga aaataataaa 120

gagagctcaa aaactgacga gtctgagctc agattggcac agcttcaaca tcagctacct 180

gctaatgaac ctggtgcgtt aatgcatctt gtagaagaat caactgctga tgatacagaa 240

gaggaaagcg ttaaagagtg caggacttta ttcaaagatc tgaagttcta cttaagtcgt 300

gaggttccca gggagtctct cttgtttata attccggcat ttggaggaac tgtttcgtgg 360

gaaggagaag gagctccatt tgatgaaaca 390

<210> 9042
<211> 137
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055e12b1

<400> 9042

tcgcccacgc gtccgaacac ccctgagatg ccacccgtgt ccacccagat aatcgcgaga 60

gatatttcgt cccggacgcg tccggcccga cgaccgaccg acgaacagcg tatatgtagg 120

agggagagga tgagcac 137

<210> 9043

<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f01b1

<400> 9043

tcgtagcctt taagttgaac tgggcatcct atagcatggg tgaaaagcga tcagaagttg 60

tctctgacca ctcaattttt gttggtgatt tagctgctga tgttactgat gaaatgttga 120

tggagctttt tgcttgcaag tatcgctccc tgaaaggagc taaagttatc attgatgcaa 180

acacaggccg ttctaggg 198

<210> 9044
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f02b1

<400> 9044

gtcgcgtggt gggaagacga gaaccttcca aaggccaaag cccataaccc ctaacctagg 60

gtttcgccgc catgggatcc gacgcctacg gcggctacga cgcagtgccg ccaccgtctt 120

ctgcagcgca accacacggg gccgcgccgt cgtatggggt tgggctcgcc ggcatcctcc 180

ctcagaagcc ggatggggat ga 202

<210> 9045
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f03b1

<400> 9045

tcgtcacgcg ttcgcccacg cgtccgggaa cactgtatac tcagcagtcc tacaaagtaa 60

gtgatacctt tcccttcaag tggataaaca agaaatggcg tgatggtttc tatgtgactt 120

ccatggcaac tgctggaaat aaatgggcga ttgttatgtc ccgcaatgca gggttttcgg 180

aacaggtatc atcatttgca c 201

<210> 9046

<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f04b1

<400> 9046

ttgcttacta cctccctcgc ctgcgaccca tcacacatac acagcgcgag cgtcttaacc 60

gggcctgcgc gaagagaaga gtgcagagga gcgcacagat taagcaacag caatggtgag 120

ggctccttgc tgcgagaagt tggggctcaa gagaggcccg tggacggcga aggaggacat 180

gaccctggtg gctcacatcg agaagcacgg gcacagcaac tggcgggcgc tgccgaagca 240

ggccggcctg ctgcgctgcg gcaagagctg ccgcctccga tggatcaact acctgcgccc 300

cgacatcaag cgcggcaact tcaccagcga ggaggaagaa gccatcatcc aactccacgc 360

catgc 365

<210> 9047
<211> 129
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f05b1

<400> 9047

gcgtccgcac ctttgttcgc ccttctcctc tccctcgtga caccactccc agagaaagag 60

agagacagat ggcgatgcgg gcggtggcgg tgctgctgct tctggcggtg ggcagcgtgc 120

tggcggggg 129

<210> 9048
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f06b1

<400> 9048

tcggtcggag caacctggaa cagggttgtt ggatctgagc cagtgaagga gtggccgact 60

gcctctgcga cctcccgccg ccagccgcag gcagatgctg ccgaccggca ggggcaggcc 120

tcagcccagg cctgcgccca gatcttggtc cttctcagac atggacttct ctgatccgaa 180

gcgcaactcc agatacctca gcaagatcat catggtcgcg ctcctcacgg ccatgtgcgt 240

cgtcatgctc acccagccgc cctgccacag gaaggctccc agtgtgttct ccatccatga 300

actcggagta acacatgtgt ctggtgacgg gtggcgctgg ctacatagga tcgcatgcgg 360

ctcttcgact gctcaaggac tccttcagag tc 392

<210> 9049
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f07b1

<400> 9049

tgcgggccca agttcctgaa cgccagcgtg gggttcggcg ggtcgtgctt ccagaaggac 60

atcctgaacc tggtgtacat ctgcgagtgc aacggcctgc cggaggtggc caactactgg 120

aagcaggtga tcaagatcaa cgactaccag aagagccggt tcgtgaaccg cgtggtgtcg 180

tccatgttca acacggtgtc cggcaagaag atcgccgtgc tcgggttcgc cttcaagaag 240

gacacgggcg acacccggga gacgccggcg atcgacgtgt gcaagggcct ggtgggcgac 300

aaggcccagg tgagcatcta cgacccgcag gtgacggagg atcagatcca gcgggacctg 360

gccatgaaca agttcgactg ggaccacccg ttgcacctg 399

<210> 9050
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f08b1

<400> 9050

cgcccgctga ggtttccgcc gcgatctcgt ctcgatccgc actctctatc tgagatttgg 60

aatcgggtga agcctgcagc tcctgccgac atggcgctcg ttttgcattc aggcagcggc 120

aacaagaatg ccttcaaggc acttattgct gcagagtact gtggggtcaa ggttgagctc 180

cccaagaact tcgagatggg tgtatcaaac aaaaacccctg aattcatcaa gatgaacccc 240

c 241

<210> 9051

<211> 414
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189055f09b1

<400> 9051

tgtctgatca acccggcggt gacgttcggg ctgttcctgg cgaggaaggt gtcgctcatc 60

cgggcgctgc tctacatcat tgcgcagtgc ctcggcgcca tctgcggcgt cgggcttgtc 120

aagggcttcc agagctccta ctacgtgcgg aacggcggtg gcgccaacga gctcagcgca 180

ggctactcca agggcaccgg gctcgcggcc gagatcatcg gcaccttcgt gctcgtctac 240

accgtcttct ccgacaccga ccccaagcgc aacgcccgtg actcccacat cccggtgctg 300

gctcctctcc caatcggatt cgccgtgttc atggtccacc tggccaccat ccccatcacc 360

ggcaccggca tcaacccagc gagaagcttg ngagctgctg tcatctacaa cact 414

<210> 9052
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f10b1

<400> 9052

ttgccacgcg tccgaccacg atttcaacat ttttttcagg agggggagat gagattcgta 60

catagacagc ttgtttgtac ttggcaatgg agtggagatg tttggttcag ctttttatgc 120

ttgaatttgg gtacacttgt ttttaagatc aatagcccct agatcatagt actagactac 180

taatgcttgt gcaagtttc cttaattaat tgtgagacgt gctccttcag attgaagatg 240

gtcatgacca atttgagtcg tgcaaaacca ttcaacattg ttggttgaat t 291

<210> 9053
<211> 130
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055f11b1

<400> 9053

aacaaagtgc gcgtgagaaa tcaacaagcg gtgcttgccg agaagagaga gagagatggc 60

ggcgtcggcg gcgacggcaa cggcggcggc ggcggcgacg gcaacggcgg cggcggtggg 120

ggcgggggag 130

<210> 9054
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g01b1

<400> 9054

ttgtggcctc ccctgcattc catctcgaac ccattaaaca accggagccg tcctcctcct 60

cctcccacca gatctcagat ccgcggagct ccagtgcgcc tcccatggcg gtcaaggtct 120

acgtcgtgta ctactccatg tatggtcatg ttgctaagct agctgatgag atcaagaaag 180

gtgcttcctc tgtcgaaggc gtggaggtta aagtgtggca ggtccctgag atcc 234

<210> 9055
<211> 113
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g02b1

<400> 9055

tgtgcgctgc cgccgcacag agagagcgcg cgcgccatgg ctcctccgcc tcgtcgccgt 60

cggcacctcc tcctgcccgc gctcctcctc gccgtctccg cgctgtgggg agc 113

<210> 9056
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g04b1

<400> 9056

gcgtccgcta atttctttcc taccagaaaa aaaacacagt ctcgatctgc atcggcgcca 60

ttccggcgac gccatgcgcg ccgatgagga gcgcgatgcc gtgtgcgtgc cgtacccggc 120

gcaggggcac gccaccccga tgatgaagct ggccaaggtc ctccactcca ggggcttcca 180

cgtcaccttc gtctacaccg agcacaacca ccg 213

<210> 9057
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g06b1

<400> 9057

gcgtccgctt tcctctcgcc agtcgcaacc tggtggtgcc gccgctgaca tcgtctgcct 60

ccgccccccgc accacgatgg accccacctc acgccccgcc gtcgtcattg acaacggcac 120

cggctacacc aagatgggat tcgccgggaa cgtggagccc tgcttcatca cccccaccgc 180

cgtcgccgtc aacgagtcct tctccgacca gacgagggcc accgccaaag ggaactggct 240

ggcgcagcac agcg 254

<210> 9058
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g07b1

<400> 9058

ctcgcggacg cgtggggttg ccaaattctg tgcaaaatat ctacacaggg aagttctcaa 60

aagtgaagtt tatttagctg gtgacctggg agctgctgcc catggagctt tcttcagaat 120

ggatgagatg atgcggggtc aaagaggctg gcgagaacta caggcactcg ga 172

<210> 9059
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g08b1

<400> 9059

tgtcggttca tttcttgcag ttgtcatctt taacatgtta gagcctggta acatgtccag 60

agctatttgt ggcgaccaag taggtacgtt agttgaccag tcaggaagga taacttaaat 120

cacaagggcg attagctgtg ttgtagcatt gggacatttg tattctctca cggcagtgtg 180

catcttcgtt gattgcatgg atctttgtgg at 212

<210> 9060
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g09b1

<400> 9060

ttgcccacgc gtgcggagca ggcaactcac atccatgggt gttgatccta ctgctggtgg 60

gaaccgactt cgcagccagt gaagaggccg taagcgtgag aggacactga gcagagctga 120

tggtgatgat gc 132

<210> 9061
<211> 158
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g11b1

<400> 9061

cccgctctcc tccaccccta ccatgggcgg ccccagctcc tgggccttcc cgttccacga 60

aaagagagct tagcgctgcc gagccctccg tcctctccac ttcccggctg ctttctccgt 120

ccgtccggtc gtcaatcttc gtcgagcaga gagaggga 158

<210> 9062
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055g12b1

<400> 9062

ttgttctttt ctgccccgga cagcagcact gcctaggtgt cgtgcaaacc aaaccaaacc 60

aaaatctgct gaggtgtcct ctactcgagc aagtgtgcca atcctaggct cgctcgcctg 120

atcaatcctt cgcgtcgcca gcttcatctc gaggcgagga ggcggacgat ttgaacccat 180

ggatatggcg cacgagaggg act 203

<210> 9063
<211> 367

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055h02b1

<400> 9063

ttcacgcgtc cggccacgcg tccgtcctag ccgcctgcag cacgctgctc ctccgcctcg 60

agcagctgat ggacgcgcgc agacatggcg acggagaccg agaccttcgc cttccaggcc 120

gagatcaacc agctcctctc gctcatcatc aacaccttct actccaacaa ggagatcttc 180

ctccgcgagc tcatctccaa ctcctccgat gccttggaca agatcaggtt cgagagcctc 240

acggacaaga gcaagctcga tgcgcagccc gagctcttca tccacatcat ccccgacaag 300

gcgaccagca cgctcacgat cgtcgacagc ggcattggca tgaccaagtc ggacctcgtc 360

aacaacc 367

<210> 9064
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055h03b1

<400> 9064

tgttcttctc tcgggacact tcccaaccta gtctacctgg atctaggcgt taatcgtctc 60

gaggcaggag gttggtcttt cttaacctca ttgaccaact gcacccaact ggtggaatta 120

ttcttggatg caaacatcct tcagggagat ttgcctagtt ccattgcagg cctttcaaag 180

agcttagagg tattgttatt aacagcaaat aaaatatcag gcactatacc acaggagata 240

gagcagctca caaacatcaa acgtctttac atggaaaaaa atctgct 287

<210> 9065
<211> 158
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055h05b1

<400> 9065

ggtggtaacc ctagcttcgt ataaacccaa acccccccgcc tggcctggcc ggagcggcgg 60

cagcagtcgc cggcagcgat ggacgcgatg cggaagcagc tggacgtgct gatgggggcc 120

aaccgcaacg gcgacgtgcg ggaggtcaac cgcaagta 158

<210> 9066
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189055h10b1

<400> 9066

gtcttaagac ttacgatcct ggatatctca acactgacgc tgtgcgttct tacatctgct 60

acattgatgg ggatgaggga attcttcgct acaggggt 98

<210> 9067
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a01b1

<400> 9067

ttgttcacgc gtccgcccac gcgtccggga attcggcatt gctggattaa agagggccct 60

tgaagcattg aacacacacc tggcatcaaa cacattcctt gttgggcatt ctgtcactct 120

ggctgatatt gtcatgacat gcaacctcta ccatggtttt gctcggatct tgaccaagac 180

tttcacatct gagttccctc atgttgagag gtacttctgg accatggtta accagcctaa 240

cttcaagaag gtcattggcg aattcaagca ggcagaggtt gtacctcctg ttcagaagaa 300

ggctgctcct gctaaacaaa aggaggccaa gaaagaggct cccaaggcgg ccccaaagcc 360

agcagtagtt gaggcaccag aggaagaggc accaaagcct aagcccaaaa atccccttga 420

tctactgcca ccaagcaaga tggtacttga tgactggaag aggctatact caaacactaa 480

gagc 484

<210> 9068
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a02b1

<400> 9068

ttgtcacgcg tccgcgccat gatcgccctc gtgggcctgc tccggtacgc caagtgcgtc 60

ctgttcagtg ccacgccccg gccttcagat tccaaggcgg acgtcgatgt cgaagacgac 120

ggggagtccc cggcgccccc accggacctc cggtgcccca tctccctcga tctaatgcgc 180

gacccagtcg tcgccgctag cggtcagacc tacgaccgcg agtcgatcga ccggtggttc 240

agctccggca agtcaacgtg ccccaagacg gggcaagtct tggccaatct ggagctggtg 300

cccaacaagt ctctcaagaa cctcatctcc aagtggtgcc gggagaacgg cgtggccatg 360

gaagtctgcg aggccagcaa gagcgagcag gcccagg 397

<210> 9069
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a05b1

<400> 9069

tgcttacgcg tccggtcatg gcatcttcca agagtagtct tgcaatgttc gcactggcca 60

tagtcatggc cgtggtggct gacgtctcgg cacagaacac cccgcaggac t 111

<210> 9070
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a06b1

<400> 9070

ttgtagtact agctagcact gagcaatggc ttccaatgcg agcttgttgg cggcgatcat 60

ggcgtgcaca ctcctcggag gccacacgtg ccacggcgca cgccacttgg ccgacaccac 120

cccggcggct gccccacccg ttgcggctgc tgtccctggc ctcccggccc tgcctaccat 180

gccgaccctg ccaccgatgc cggctgtgcc aacggttccg gccgtgac 228

<210> 9071
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a07b1

<400> 9071

gctccgtcgc ttgggcgcgt aacgcgatgg ccgtagtcac accccactcg ccgccgccgc 60

agctttcatc gcccttcctg gagtatatta cggcccccgg cggcctcgac aaggtcgtgc 120

tccgtggcag gcgcagctgc tccgtggaga tccgtctttt tggaggtcaa gtaacttcat 180

ggaagaatga ccatggcgag gagttgcttt ttgtcagcag caaggccatc aagcctccaa 240

aacctgttcg tggcgggata cctatttgct ttccccagtt tggaactcag ggaaatcttg 300

agcaacatgg atttgcaaga aatcggcttt gggctattga tgataatcca cccccct 356

<210> 9072
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a09b1

<400> 9072

cccacgcgtc cggccgccgc cagcagctgc gcaaaggctc ctcaaaccct aaccctagtc 60

ctagcttagc ttccttcttc tcgatctagc tagagccatg gcgccgacca agggcgaggg 120

gccggccatc ggcatcgacc tcggcaccac ctactcgtgc gtcggcgtgt ggcagcacga 180

ccgcgtcgag atcatcgcca acgaccaggg caaccgcacc acgccctcgt acgtcgcctt 240

caccgactcg gagcgtctca tcggcgatgc cgccaagaac caggtcgcca tgaaccccat 300

caacaccgtc ttcgatgcga agcgtcttat cggcagaagg tttgctgatg cccctgtcca 360

gagtgacatt aagatgtggc cgtacaaggt tattcctggc cctgcagaca agcctatgat 420

tgtagtgcag tacaagggtg aggacaagca gttttcagct gaagaaattt c 471

<210> 9073
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a10b1

<400> 9073

ttctgcccac gcgtccgcgg acgcgtggcg gacgcgtggg ttcatcctca tcttcttcgc 60

gacggcggcg ccgatcgtga accagaagta cggcggcgtg atctcgccgt tcgggaacgc 120

ggggtgcgcg ggcctggcgg tga 143

<210> 9074
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057a11b1

<400> 9074

gcacaattcc tccctcaatc ctcccgagtc aaccatgccg ccgccgagcc tctccgatgg 60

cccggcctca cgcgacaacg cgctcgcctc catccacaag ccgccggcgt ctcatggtga 120

ttcgtccact cgtcagccat caataagaag agataatcca gagaatttaa ccaaagtgtt 180

ggctgaggca gtgaagtgtg cacaagctct taagactgat gatctgatta ctgacactag 240

agttaaggaa gcttttgcag agctgatgaa caaagtgtac ccgcatctac ctgagagtct 300

acaggatcaa ctgattgctg atttcaaact caatatcctc cgtcgggcac aagagaaaaa 360

tactccccca gttgagttga tg 382

<210> 9075
<211> 495
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b01b1

<400> 9075

ttggtcgccc cctcctcgcg ttcctcgtgc gtgcgcagaa ccccgaggcc tcggcagcca 60

tggccaccgg cggcgaccac gcggcggagg agctcgtgtc cgtcgagatg cccgcgcccg 120

agggatggac caagaagttt actccccaga gcaggggaag atctgagatt gtttttgttt 180

caccaactgg agaggaaatt aagaacaaga ggcagctgaa cagctatctg aaggcaaacc 240

ctggaggccc cacttcatcg gagtttgact ggtcaactgg tgatacccca aggcgttctg 300

ctcggattag cgagaaagtg aaggtatttg atagccctca gggtgaaaag ataccaaagc 360

gcagtaggaa ctcaagtggc aggaagggga agcaagagaa aaaggaggat cctgaaactg 420

aagaagacaa agaagctgaa gcgggcaagg aggcccctag tgaagatgct gcaaagagca 480

ctgatgtgga gatga 495

<210> 9076
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b02b1

<400> 9076

ttgtttacgc gtggggtctt ctgcttatgt ccgttggggt gggcgccatg gagtcctagg 60

ttggtggagg ctgtggtttt tggctgcatt ccagtcatca tagctgacga catcgtgctg 120

cctttcgcgg atgcaatccc ttgggacgaa attggtgttt ttgttgatga ggaggatgtg 180

ccaaagcttg attcaattct gacatcgatt ccgattgatg atatcctaag gaagcaaaga 240

ttgctcgcca acccatcaat gaagaaggcc atgctgttcc cgcagccagc gcaacctaga 300

gatgcattcc atcagattct aaatggcctt gctcgcaaac tcccgcaccc agagaccata 360

tacttacaac caggtgagaa gcatctcaac tggacagctg ggcctgttgg agacttgaag 420

ccttggtaac ataaa 435

<210> 9077
<211> 139
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b03b1

<400> 9077

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cgccaccgcc ggcgaggag 139

<210> 9078
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b04b1

<400> 9078

ttgtttccaa gtttccaact tccaacagaa caaagatggc gagcagacag tttccggcaa 60

tgctgctgct caccgcggtg acaatggccg gactggccgc cggagcgcgc gcgggcggca 120

tcgcgatcta ctggggccag aacggcaacg agggcacgct ggcgcaggcg tgcgcgacgg 180

gaaactacaa gttcgtcaac gtggccttcc tcttcacctt cggcaagggc cagaagccgc 240

tgctgaacct ggccgggcac tgcgacccgg cgaccagcgg ctcgtgcacc ttcgtgggcg 300

ccgacgtcaa gtcctgccag agccgcggca tcaaggtcct gctctccatc ggcg 354

<210> 9079
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b06b1

<400> 9079

tcgtttagag tcaatcaaaa gtcttagtgc cacttcttgc tgctactaca ttcatgatga 60

ccattgtgtg actacatttg ctgtcgtcaa gcctttcaag tatctgctct cctgatgttt 120

acacaaggga gatgctacta aggaagcaga acatggagaa gttttcctga tgtttacaca 180

agggagatgc tactaaggaa gcagaacacg gagaagtttt cctgatgttt acacaaggga 240

gatgatacta aagaagtaga acacgaagaa gtttcaatga attagagagt tatagatgcc 300

agctggtcct ctacatacct gataaaaata agaaaaatat atgtcaatgt aatctgcatc 360

cattgcagct aatagctctc agttttgcca atggcaatgg gctgctg 407

<210> 9080
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b07b1

<400> 9080

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atcagttaaa tcaaagtcat ggagcacaag gagaccggct gccagtctcg tgagggcccc 180

atcctttgcg tcaataactg cggcttcttc ggcagtgcgg cgaccatgaa catgtgctcc 240

aagtgccaca tggagatggc gatgaagcag gagcaggcca agctggccgt ctgctctttt 300

gaca 304

<210> 9081
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b09b1

<400> 9081

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gactacgggc aacctgtgat gattttatag agggaaaagt tggtaccctg gatgggttat 120

atggcaccgg agctaagtta ccctcagagg agtttatcag cagtaagttg acaccaaagc 180

ttgctcggca aattcaggat gttcttgcac tctgcagtgg tagtttacct tcttggtgtt 240

atcagatgac caaagcttgt ccatttctgt ttccttttga aacaagaaga caacacttct 300

actccacagc ttttgggtta tctagggcat tgaatcgtct tcagcaacaa cagggtgata 360

ataatagctc agcgactgaa agagaagtcc ggattggtag attgcaacgc cagaaag 417

<210> 9082
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b10b1

<400> 9082

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tcacccatta ctccaagtga aacacaaagt ccagctcatg gaaatcggca acaaccatat 120

atggaatctc cagttgcctt gagaccacat tttccagctg ataggaaatg ggctcttggg 180

cttcagtctc gagcacatcc aagagaagtt atgactgaag tgctgaaggc tctgcaagaa 240

ctgaatgtat actggaaaaa aattggacac tataacatga aatgtagatg gagtccttct 300

ggctttcccg gtcaggagaa tatgaatcat accaattata acttcagtgc agagcctatt 360

gaaaccgacg acctgggtga catgttaaat ttaattaagt tcgaacttca gctttacaaa 420

acaagagatg ag 432

<210> 9083
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b11b1

<400> 9083

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cagctcgggt ccgtggtcgg tggccggctc cccaccgcgt gcaacctgcc ccccaacgcc 120

tgctctgccg tgacagggac ctcgggctct gctccggccg gtggcgcagc ggcgccgtcg 180

tcgtcgggga cgcctactga tgctgctgcg gctgcgccgg cgaccggt 228

<210> 9084
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057b12b1

<400> 9084

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aacgcctgct ctgccgtgac agggacctcg ggctctgctc cggccggtgg cgcagcggcg 180

ccgtcgtcgt cggggacgcc tactgatgct gctgcggctg cgccggcgac cggtcccgct 240

gatgcgaacc cggctggcac gccttccggt ggtggggtga agtcggttcc ggggacggtt 300

gattcggccg ccgagtgcaa ggggacc 327

<210> 9085
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c01b1

<400> 9085

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aaagaaatat cgtgttaatg caatcagatc gaacttggac tcggaggtca atgagggcaa 180

gggtcctgtc tctagtgtcc tctctaatat ttcctcgatt gcttcttcgc tctattctat 240

ccctatgttg gcacctgttg ctggcccgac agcctggatg accaacttag cttctggcgt 300

tgcgtccgcc tttggttggt gcaagccagt gttggactcc caagttatcc gtgtctatca 360

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gtttgtgaca ataaggtttg cgttatgcct gatgtt 456

<210> 9086
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c02b1

<400> 9086

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tccgccacgc ccagcatggt gtactacacc gagcggtcca tcgccgacta cttccctccc 180

cacctcctca agaaggtggt gtcggaggtg gtgtccacgt tcctgctggt gttcgtgacg 240

tgcggggcgg cggcgatcag cgcccacgac gtcacgcgca tatcgcagct cggccagtcg 300

gtcgccggcg ggctcatcgt cgtcgtcatg atctacgccg tcggccacat ctccggcgcg 360

cacatgaacc ccgccgtcac cctcgccttc gccat 395

<210> 9087
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c03b1

<400> 9087

tcctcacgcg tccgcggacg cgtgggtggc agtgcagtta ctgttgcggc ggagaacatt 60

gtttttcacg atgcagcagt ttctgaaaaa gtaacactgg gttcatttgc tggagactac 120

gaccaagatg atgacaatgc ggcagcttta ggtgaatacc ttaagcgacc agtgcgcttg 180

gcgagttatg cgtgggctca aggaggaggt tttgcacaga gcatcacccc ttgggcggca 240

tatttctccg acaccttcat tcgaaggaag ttggagaact acggcaaaat tcggtgtaag 300

ttacatctga agttcatggt aaacgcttca cccttccatt atggaagttt gcgtgcgtgc 360

tatttcccta tgggggatgc gcgctcgacg ttcgtg 396

<210> 9088
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c04b1

<400> 9088

ttcgttacgc gtgggcggac gcgtgggcgg acgcgtgggg tttttcgatc tgatctttcc 60

cctatcttcg ccgcccaact tccccccatc tcgcgcactc cgtcgaacat ggcggcgcgc 120

gggcaggggc aggtgcaaga tttcgacttc ttcgtggtgg tcgacttcga ggcgacgtgc 180

gtgaaagacg ggaggatctt cccgcaggaa atcatcaagt tccccgccgt gctcgtcgac 240

ggcgccaccg gccgcatcga gtcggcgttt cgcaggtacg ttcgtccaaa acatcaccct 300

gtgctgactc aattttgcag ggaactcacc ggcatttcgg caggaggacg tcgacagcgg 360

cgtggatctc ggcgaggcgc tttggctgca cgagg 395

<210> 9089
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c05b1

<400> 9089

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tttgctgtcg cccgagcctc tcccaccagc gcgccgccgc cgctgcccga ggcccctccg 120

accagcgcgc cgtcgccgcc cggggctcct tcccaccagt gcgtcaccgc cgcccctaag 180

cccctccgac caacgcgccg ccaccgtcct gatcccccta cgaccaacgc gccaccgctg 240

ccccgatccc cctccgacca gcacgccgcc gccggcgcca agcccctcac accagcgcgt 300

cgccgccgcc ccgatccccc tcccaccagt gcaccacggc cgccccaaac cccttccat 360

gaccatatca cccgcaccat cggccgcgcc tccctcctgc atgccacctg c 411

<210> 9090
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c06b1

<400> 9090

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acgtggccga cgtgaccacc gagctggcgg ggtacgacgt ggtgttcctc gcggcgctgg 120

tgggcatggc ggccgaggag aaggcgcgcc tggtggagca cctcgggagg cacatggccc 180

ccggcgcggc gctcgtggtg cggagcgcgc acggcgcgcg cgggttcctg tacccggtgg 240

tggaccccga ggagatccgg cgaggcggat tcgaggtgct caccgtgcac cacccggagg 300

acgaggtgat caacttcgtc atcatcgcgc gcaaggcggc ggcgccacca gccgttgccg 360

tcgacggcga cgtgccggtg aacaacggca gcatgcccg 399

<210> 9091
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c07b1

<400> 9091

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gccttctctc gccgtctccg cctcctcctc cagtcctccg tcccaccct cgacgattcc 120

tcggcgatgg gcggcgcggc ggcggcgacg ggcgccgcca ggtggatcca gcggctgagc 180

gcggccagga tctcgacgga ggcgctggag cggggccaga gccgcgtcat cgacgcctcc 240

ctcaccctca tccgcgagcg cgccaagctc aagggcgagc tgctgcgtgc tatgggcggt 300

gtcaaagctt ctgcaacact cttaggagta ccccttgggc acaactcgtc tttcttgcag 360

gggcctgcgt ttgct 375

<210> 9092
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c10b1

<400> 9092

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cgaggacgtc ggtgaaccgg tgctccagct gccggaagcg ggtggggctg acggggttcc 180

ggtgccggtg cggcgacatg ttctgcggtg agcatcggta ctcggaccgg cacgggtgca 240

gctacgacta caaggccgcc gcccgggacg ccatcgccag ggacaacccc gtggtgcgcg 300

ccgccaagat cgtcaggttc agaagaggaa aggaaaaaga atccagaacc cctgccgagg 360

catagcaaag 370

<210> 9093
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c11b1

<400> 9093

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atagctcacg tacccgtgta agaaactaag aactaatgca ggtacgatgg taagtagtag 120

gaaggttgca aagatgaaga gtattagaag attggaattt ggaagatgga gctcatactg 180

attgaagcca cgcagctggc tcctccttgt cgttgatccg attacacaca taaacgtttg 240

cagaactaat gctaggagca ctaagtttga caaggtgtaa agctatacac cccatttgag 300

atttacagat tgtatcctga ggttctgtct acaaatacgt actgatattt tttt 354

<210> 9094
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057c12b1

<400> 9094

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catagctcac gtacccgtgt aagaaactaa gaactaatgc aggtacgatg gtaagtagta 120

ggaaggttgc aaagatgaag agtattagaa gattggaatt tggaagatgg agctcatact 180

gattgaagcc acgcagttgg ctcctccttg tcgttgatcc gattacacac ataaacgttt 240

gcagaactaa tgctaggagc actaagtttg acaaggtgta aagctataca ccccatttga 300

gatttacaga ttgttttctg aggttctgtc ttcaaatacg ttctgatatt ttttt 355

<210> 9095
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d01b1

<400> 9095

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atgcatatgg caagggtttg ccctatgctc ctgaaaattg gccgtctcct ggagatcagt 120

ggcaatggaa agtggggaac agaattgctg caggtgggca ttgggtggac agatatcttg 180

ccccaccctc gcgttttcgt gatgctactg gtaaaaagac gacattcaca agtagactga 240

aagttggaga gtttatcaag agcaactttc cagatgttga tcctagcaca tttttctcta 300

tgttcatatg gaagatccct gctgcagaag gcgggattca aagaggaact cttcaagtgg 360

aacgtgttga acctgaagat ggcctggcgg atcctgatgg accatgcaag gctcggaata 420

aggcatgcaa tcttgggaaa gaagggttta ttgaatcatc accagca 467

<210> 9096
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d02b1

<400> 9096

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gagcggtgac gacgacagac atgaggtgga acattccaaa gctcagggga ataagataga 120

cggcaagcta aaatcttcga aacctgctga ccaacctcag ccagatattt cccctcctac 180

aattgatgtc ccagaactgt catttgagga cttgaaagaa aagactgaca attttggatc 240

gagttccctg attggtgaag gttcatacgg acgagtatat catgctacca tggatgatgg 300

caggcaagcg gctattaaga aatttgatgc atctgaaaat gagcccaatg atgaattctt 360

gaaacaggtc tcacttgtat caaggctaaa acatgaaaat cttgtggaga tgctgggcta 420

ctatgtggag ggcaactatc gtatactggc atatgaattt gcaacaatgg gttctcttca 480

cgatgt 486

<210> 9097
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d03b1

<400> 9097

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tgggggaagg ggaggcggtt cggaggtgga 150

<210> 9098
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d04b1

<400> 9098

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cctaggctcg tcgaatcctc ctcccccacc gcctcaagat gcagatcttt gtgaagacat 120

tgacaggcaa gaccatcacc cttgaggtcg agtcgtctga cacaatcgac aacgtcaagg 180

ccaagatcca ggacaaggag ggcatccctc cggaccagca gcgtctcatc ttcgctggca 240

agcagcttga ggatggcagg acccttgctg actacaacat ccagaaggag tccacccttc 300

accttgtcct ccgccttcgc ggaggcatgc agatcttcgt caagacgttg actggcaaga 360

ccatcaccct tgaggtggag tcgtctgaca ccatcg 396

<210> 9099
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d06b1

<400> 9099

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atttcagaag gattagctgc aattaaagca gagcgagcag tagagagcat atctcagaga 120

agtgcccaac ttcatggggg cacagaagat gaactctcac tgaaagactc tctggcggcc 180

gtgagaaatg cagctcaagc agcggctcgg attcagaatg ccttccgtgc cttttctttc 240

aggaggagac aacacaagga cgctcgactt aaggatgaat atgggatgac acaagaagat 300

atagatgaac ttgcagctgc atcaaggtta tactaccaac atcatgtttc gaaacggcag 360

ttttgtgata aagcagctgt ttcaattcag aagaaataca gaggttggaa ag 412

<210> 9100
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d08b1

<400> 9100

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ccccttccta ctccactgac gcggccttct tcttgtcttc ctctcccctt ccccctcccg 180

ccgccgccgc cttcctccgc cggggctggt tcagctacta accgcggccg gggggaggag 240

aaaggccgcc tcttgtccgg ccacctttcg gctggttcag cccacgcggg agccggattg 300

agagatggag tcggccgccg gcggcgggct gggcagcatg cgagccgtgc ttgccatcct 360

ccagtggtgg ggc 373

<210> 9101
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d09b1

<400> 9101

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gctgatgatg aaggagaggg tggtgaaatt atttttggag gaatggatcc taaacactac 120

gtgggtgaac acacatatgt cccggacacc cagaagggat atttggcagt tttgacatgg 180

gt 182

<210> 9102
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d10b1

<400> 9102

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caatcatcag gcgctcaatc atcacccaaa cgattaactt attcatacaa tcacccgcga 120

ccaataatcc actgatcagt ttgccgcgtg tccacttgag ttatctccac aattgcccac 180

aggaccatcg gcccattcac tttgaccgtc attatcgcct aaacttttc cggtgctgaa 240

cagcaaggtc ctccatgaat ccattcgcag caaatactgc caaaacattt ttcgacctca 300

tcaagtcaga gagggatcta tattcgcttg aacctgatcg tgagccatcc caatctcagc 360

ttcgtttgtt tgaacgaata tgtgtgctat tgaatgggga acatacatca aaatcgcgca 420

gcactagaac acggcacgaa aaggaacaat caagaatcca gagaatgtac gaaaagcttc 480

catccgatc 489

<210> 9103
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d11b1

<400> 9103

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gcacgacgag cgggcgggtg tgggcgcgca cggggtgcag cttcgacggc gccggcaacg 180

ggcggtgcca gacgggggac tgcggcggga agctgcagtg cacgcagtac gggcaggcgc 240

ccaacacgct ggcggagttc gggctgaaca agtacatggg ccaggacttc tttgaca 297

<210> 9104
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057d12b1

<400> 9104

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actcggagca cctccacccc tgaccccgac tccgaccacc catccatccg cttcttgctt 180

cttccgctgt ccgggccaag aatctgagat cctgtccggc gccgccgctt gtttcttgat 240

ggccgcatag atggcaggat caacttcatt ttgagcttgt cccacaaggt tgcaatcacc 300

agtatgtcag ctaaggcttc agaacgtaca tatagatgct cagatgattc acaaatggcg 360

tactacaaca actcggtgcc tttagcagaa aatggacggt tctatatgat gcaaaatcat 420

ctg 423

<210> 9105
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e02b1

<400> 9105

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aacatagtgc tatcttatct tatgcacaat tgttttaagg agaccgcaga gaccttccta 180

tccagcactg ggctaaagtg acctgttgat tatactgtag atgtggataa acgtaaagcg 240

atcttaaatt ttgtggtgga aggggatgcc gtgaaggcca tagaactgac agaagagttg 300

gcgcccaact tgctagagaa tgacatggat tcacattatg atcttataag tcttcacttc 360

attgagctaa ttcgagacag aaaatgcaca gaagcacttg agtttggcca gaaaaa 416

<210> 9106
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e03b1

<400> 9106

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atttcctgtt ccacatgttt tttcttgcgc gctactgcaa acttctcgag gagaactcat 120

tcaggggaag aacagctgac tttttctaca tgctcttgtt tggtgctact gtcctgacta 180

gcatcgttct gattggtggg acaatacctt acatttctga gacattcgcc aggattcttt 240

tcctcaacaa ttcattgacg tttatgatgg tttatgtctg gagcaagcac aatcccttca 300

ttcacatgag cttcttgggt ctgttcacct 330

<210> 9107
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e04b1

<400> 9107

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gccacaggat tatgctccaa tcccagaaaa ctagtacagt atgtgtgaag tgtactacgt 180

aaacagaaat tcactaagtt t 201

<210> 9108
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e05b1

<400> 9108

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atgcgcacca acaactttac cgtatcagct atgcatggtg acatgcctca aaaggaaagg 120

gatgcgatta tgagtgagtt caggagtggc acgaccggtg ttctgatcac aacagatgtt 180

tgggctcgag ggctggatgt tcagcaggtc tctcttgtca ttaattatga tctcccaaat 240

aatcgtgagc tttacatcca tcgcatcggt cgctctgggc ggtttgggcg caagggtgtg 300

gcgatcaact ttgtgcgcaa ggatgacatc cgtatcctga gggacattga gcagtactac 360

agcacgcaga ttgacgagat gccgatgaac gtggccgatc tgatctgagc actggaccgg 420

ag 422

<210> 9109
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e06b1

<400> 9109

ttcgtcacgc gtccgcccac gcgtccgccc acgcgtccgc ccacgcgtcc gtcgtcttct 60

ccctccctcc ctcctgtctc ctcctccgca agcaaccctc ttgcgtcgtt cctgctgatt 120

ggctccggcg ggagggagga gggggcgcag tgagatgggg aacatctgcg gcggcgcggg 180

gaaggccgat gtggcggcgg actaccggcc gtccagccca ggaacatcca actacaagac 240

gagcggcagc gtcaccacca gcaacagcac cacggggaag ctctcctcgg ggggcagcag 300

caccttcatg gcctccgcgg gcagcggtgg caccag 336

<210> 9110
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e07b1

<400> 9110

tttctcgatc ctacatttcg ggaagagctt cttaatttta cacaaagggg gaggattctg 60

cagctctcga acttcaagga tgactccagt ccaattgcct gggactgttc tgcgtgggtt 120

cgcacatatg gtcagttttt ggaggaaaga ttggaatgct tcaggatcct gaaatatgat 180

gttgaggctg aacgtttatc caaacaaggc caaggtcctg aaaagggaca cagtagaacc 240

agagacctag attcccagga tctgttagag cagttgccag ctttgcagca gttactgtat 300

cggcttgttg gatgtcggcc agaaggagct gcaaataaca actacttggt gcaatatgct 360

ctagctttgg tgctaaaaga gagtttcaaa attt 394

<210> 9111
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e08b1

<400> 9111

tttctccgac gacgacgagc acacccgcag gcgcagatct gagattgagt gagtgtgtga 60

gagagaaatc ggtggagatg gccgggaggc tgactgcgat gggatcccgc atcatgggcg 120

gccacggcgc agccgcacgc gccgcggcct ccgccctccg caaccgcgcc ggcatgggcc 180

tccccgccgg caggcacatc gtccccgaca agcccctgcc tgtgaacgac gagctggtgt 240

gggacaatgg cacacccttc cctgagccct gcgtcgaccg cctggcgccg cacatcggca 300

agtacgaggc tctggcgtgg ctgtgtggag gtctgagctt cttcgc 346

<210> 9112
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e10b1

<400> 9112

tgtgtttggg ttttttgacg ccctcgccgg cccgccgcca cctcctccct tttcacaagc 60

gctgcccctc cactaccacc gtagcaccag gatgacggcg cagactgccg aggagctcgc 120

cgcgcatatc gagcaggagc agctcgaggc gaagaaaact gaggcagaag aggacgtggt 180

tgaggatgat gatgatgatg acgacgacga tgaggatgat gatgacaacg atgatttgga 240

tgggcaagaa ggtgatgcca gtggcacatc aaagcaaagc aggagtgaga agaagagtcg 300

caaggcaatg ctgaagcttg gcatgaaatc catcactggc gtaagccgtg tcactgtgaa 360

gaaaagcaag a 371

<210> 9113
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e11b1

<400> 9113

tgtttttcga ccagacaacg catacgacta cctcacttac tcgaccggcc aaagcaagca 60

ggtcaccatg ggcggcgggc acgacatgca cggcggccac agcggcggag tgaagggctt 120

cgtgtccagc ctcgtcggcg gcggcaaaag ccacgggtac ggcggccagg ggcacggttg 180

cgaccagggc tacggcggcc acgggcagca gcagcacggg tacggcggcc acgtgcagca 240

gcacgggtac ggcagccatg ggcagcagca ggggtacggc ggccacggcc agcacgggta 300

ccctccgccc gccgccggtg cttgcccccc gtacggcggc tacccggcgc aaggctacgc 360

gc 362

<210> 9114
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057e12b1

<400> 9114

tgctttcgca ccgtctcgcc gccgccacca ccgccgcagc ttgataagaa gaaaaaaaga 60

gagagaagaa ctcgtcggga gggctcgaga tctgtgtcgg gagagaggga attcttgaga 120

tcggaatcgg aacaagcggg cgcgctcggg atcggggtta ccatacaatt tttcccagga 180

acctttagtg aatgtgctaa tggagtcaaa gggtggcaaa aagtctagca gtagtagttc 240

cctgatgtac gaagcacccc tcggctacag cattgaagac gttcgacctg ctggaggcgc 300

caagaagttc tctgctgcat actcgaactg cgcgaagaag ccatcctgat atcgtttttg 360

gcatcccctt ctcgtagttt aggattttta tgcaatttta ttctgactct tttctc 416

<210> 9115
<211> 159
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f01b1

<400> 9115

tggtacaccg cgatagaagg cgcacacaca caatggcagg cacaaaatta ctagctcttg 60

gttttgttgt cctgttgagc attggattgg ccaatgctgc aagggtggct aggtactcca 120

gtgcctctgg agtaggaacg ggaggaggag agggtgggg 159

<210> 9116
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f02b1

<400> 9116

ttgtttttt tgagatcatg atgtctgtct acttatcggt aatgcccaga tcgacaggag 60

aatgcttatg aaatcatgaa gtgcaagtcg aagcaattaa cataacggga gatacatgga 120

cagatcacgc cccgtcaaaa ataaaatgaa atacatggac agatcacgct agcatatcag 180

ccagttgatc cacagatgaa cagcgtgccg atcatctgca tacaagcagc tctactagta 240

ctaggcaaag ctgatgttgt aggccttggc accgacggac ctgaagatgc cgaaatggcg 300

ctcgaacttg gcgccgggct tgccgtactg gtcgtagagg tcgaacagga aca 353

<210> 9117
<211> 368
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189057f03b1

<400> 9117

ttgctatttt ctccacagnc gaagcaacag aacatcacaa gattcagaaa agcacctcca 60

tctcccagtc ccagcctctc tggtgaagag ggtcgccgcc atggggtcgg gatcttgctg 120

ctgcatcggg tgcggcagca acgacgacga cggcggcgac gggggcggca tggggctgga 180

ccccaagggg ttcctgcttg ccatgatgat cgccctggtg ctcgtcatgc tctgccacat 240

gcccaagccc cgccgcaaca actacgtcgt ctaccgctgc tagccatcca cccagatgaa 300

ccagcaccgg ccgtggacgg acggatggtg gctcgcccgc cggcggccgg ccgatggccg 360

aggtttga 368

<210> 9118
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f04b1

<400> 9118

gcctgcatga tctgcccgac ccgactccgg gaacctggag tgcacgcgag gggagcagta 60

tgtggggttg gg 72

<210> 9119
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f05b1

<400> 9119

ttgttcacgc gtccgcccac gcgtccgaga tacatcatca acacacaaag acctcatcac 60

atctttccag ttcaccggcc gttatggaga tgaagcccgc cgcgcagccg gtcaccggcg 120

tccccgtcgg cgcggcgccg gccgcctggt cctccggcct cttcgactgc ttcgacgact 180

gcggcctctg ctgcgtgacc tactggtgcc cgtgcatcac cttcggcaag gtggcggaga 240

tcgtggacag ggctccacgt cgtgcggcac cagcggcgtg ctgtacgcgc tcctgtgctc 300

gctcacgggc tgccagtgga tctactcgtg cacctaccgc tccaagatgc gcgcccagta 360

cgcgctcccg ga 372

<210> 9120
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f06b1

<400> 9120

ttgtgatagc tggagcccaa aaccgagcaa aatcgatttc aagcggacca aaatccggca 60

ccgcatgggt ttccccaggc actgatccgg cgggtggacg ctaatgcggc gccgctgaag 120

ggatctgctg cgcccgcggg gttcacatgg cggcacagaa cggcagcggc ggcgcggcgg 180

tggtcctcaa cgtgtacgac ctgacgccca taaacgacta cctctactgg ttcggcctcg 240

gcatcttcca ctccgggatc gaagttcatg gtctggaata tgcttttgga gcccatgatc 300

tctcaaccag tggggttttt gaggttgaac caaaacgttg ccctggctat gtctatagaa 360

ggtctgtatg gatgggtaca actgagatgt ctagggcaga g 401

<210> 9121
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f07b1

<400> 9121

ttgttgctca tccacaacgg caagcccgtc tgcgagtccc aggtcatcct gcagtacatc 60

gacgaggcct tcgccggcgt cggcccgtcc ctcctccccg ccgaccccta cgagcgcgcc 120

gtcgcgcgct tctgggccgc ctacgtcgaa gacaagctgc tggcgccgtg ggggaaggtg 180

ttcagggtga cgaccgacga ggagagggcg gagtggacga ggcagacggt ggcggccgtg 240

ggtcatctgg aggaaggcct gagggagtgc tccaagggga agggcttctt cggcggcgac 300

tgtgtcgggt acgtcgacgt cctgctcggt agcatggtgc cgtgggtgcg cgccaccgag 360

<210> 9122
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f08b1

<400> 9122

tgttctcgca cgcaccgtca caagcagctc aatctctttc tccttttctt ttctctgccc 60

cctcccttat ccccacgccc aggaaacgcg tctccggagg aggaagggaa gatttcatct 120

tttttgcccc caagatgtcc tccccaagca agcgccgcga gatggacctc atgaagctga 180

tgatgagcga ctataaggtg gagatggtga acgatgggat gcaagaattc ttcgtggaat 240

tccgagggcc tactgaaagt atttatcaag gtggtgtctg gaaggttaga gtagaactgc 300

ctgat 305

<210> 9123
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f09b1

<400> 9123

tttttggtcg tccccttctc cgccctgcgc accgactacc gcccctacga gtcgcgccgc 60

cgcttcgccg cctcctacga cctcttcctc gccgaccgcg ccctgctccc catgctgccc 120

cgcctcctcg gcaaatcctt ctactccacc aagaaggccc ccatcgccgt cgacttcacc 180

cgggctggct ggccggagca ggtccgcaag gtcctcagct ccactttcct gtacctgcgg 240

accgggacct gctcggggat caaggtgggc aggctggaca tggaggagga ggagatcgtt 300

gacaatgtga tggcggcagt ggaggctgcc gtggagaagg tgcccaagaa gtgggaaaac 360

gtgagggctc tgcatttgaa ggctgtggat tcggttgcac tgccaattta cca 413

<210> 9124
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f11b1

<400> 9124

gcgatccttc catcctcggc ttgcacatcg catcacgtta ccggagccag ctacgggcgc 60

gtgggacagc atggaggggg gcggcgaggg gaagggccgg gcggcgccgg cggcgggggg 120

agggttcggc gggtacgagt cggccgggga ccgcaagtgg tggccctggc tcgtgcccac 180

cgtcatcgtc gcctgcgtcg ccgtctttgt agtagagatg tgggtgaacg actgccccag 240

gcacggaagt gcgctcggcg gcggctgcgt cgcgggcttt ctccgccgct tttccttcca 300

gccgctccgc gagaacccgc ttctcgggcc ctccttcacc acttttggga aaatgggagc 360

ttttgactgg aacaaagtt 379

<210> 9125
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057f12b1

<400> 9125

cgcgtgggca gcaagcaaac aagattgagc attcacggat ggtggccgag gccgtggcgc 60

aggcgtcgtc ggtgttcgcc gccttcgaca aggacggcga cggcaaggtg tcggcggccg 120

agctgcgcgg ctccatgacg gcggcgctgg gcgaggaggt gtccgaggag gaggcggcgg 180

cgatcctggc cacggtggac gccgacggcg acgggctgct ggaccaggag gagttctccc 240

ggatcggcct cgccgccgcc ggagacgacg gtggggcggc cggaggcgac gacgaggagg 300

tgaggcggcg gtgcctaagg gaggcgttcg cgatgtacgc gacgggggc ggcgaggagc 360

atggcgccag gatcacgccg gcgagcc 387

<210> 9126
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g01b1

<400> 9126

ttgctacgcg tccgtgagct cgccacactc cccccagctt atcggagcta cctcactcaa 60

gagaggaagg atggatccct gcaagttccg gccgtcgagc agcttcgaca ccaagacgac 120

gacgaccaac gccggccagc cggtgtggaa cgacaacgag gcgctcaccg tcggcccgcg 180

cggcccgatc ttgctggagg actaccacct gctggagaag aacgcccact tcgcgcgcga 240

gcgcatccc 249

<210> 9127
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g02b1

<400> 9127

ttgctacgcg tccgatcaaa cccaaagagg aggaagaaca cctaggactc actaccagcg 60

cctctccgcg atccaaatcc tcccgggaaa gatcttggtt gatctcttcc tcctcgaccg 120

cctcccaggt tcttggtgca gcttttgcca gtctcagcag gagatttcat gtctgatctt 180

gacgttcaga tcccaactgc ctttgacccc tttgccgagg cgaatgctgg ggacgctggt 240

gcagctgccg gatcaaaaga ctacgttcat g 271

<210> 9128
<211> 400
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g04b1

<400> 9128

tggtcgccgc ctcctccttc cgcaggagct ccctcctcgt atgcgcgatg gtgtacatca 60

agaaccagaa gacaagggcg tactccaagc gtttccaagt caagttcaag agaaggcgcc 120

aggggaagac cgactacagg gccaggctga ggctcacaaa ccaggacaag aacaaataca 180

ataccccaa gtaccgtttt gttgtgcgat ttaccaacaa ggatgtcact gcacaaattg 240

tgtatgctac cattgctggt gatattgtga tggccgctgc ctactcccat gagttgcctt 300

gctatggtct tgaagttggc ctcaccaact atgcttgagc ctactgcact ggtctgcttt 360

tggctcgtcg tgtgctcaag aaccgtgatc ttgatgagga 400

<210> 9129
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g06b1

<400> 9129

tgttaaattc agacttggga tgagggtctc gtcaggattt tgtgaaggaa ttcgtatcaa 60

agaggcgaag acagaggctt ttactgtgaa agatcacaga ggagaattat acaagaaaca 120

ttaccctcct gcacttaagg atgatgtttg gagattggaa aagattggaa aggacggtgc 180

attccacggg aaactaaact caaacggaat ctatacagtt gaacattttc ttcaacttct 240

tgttaaagat caacagaagt taagaagtat ccttggcact ggtatgtcaa ataagatgtg 300

ggaaagtctt gttgaacatg cgaaaacttg cgttctgagt ggcaagcatt atatatatta 360

ctccaaggat acagcaagtg ttggtgcaat attcaataac atattatgag ttcactggtt 420

tgattgctga tg 432

<210> 9130
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g07b1

<400> 9130

tgctggccaa gacttgtaga tgttgtcaaa ggctctactt tagagaaggt tgtcagagtt 60

gttgtcatgt ccttccgcaa tttgttggca aagggtgcat ttgcggccca aatgattgat 120

cttgggttgc cgcatatagt acagaatttg aaagctcaag catggagtga tgaggatttg 180

ttagatgcat cgaatcaact ggaagtgggt ctcaaagaga acctaaagag gttgaccctc 240

atttgataag tacaaac 257

<210> 9131
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g08b1

<400> 9131

ttgattagca tcccaattga gggtccttac aagcctgcgg cttaccggta ctagagtgtc 60

cagcatgact agcggctggc ctgagcctga gtcggagcag cggcaccaac gggaactcta 120

tcaactatcc tgtttccctt ctattatctt acatgctgtc tcttaggcgg aggatttgtt 180

attatggtta tgttttgagc cttgtgaggg ttgggagagg cggcgtttgc ttttgcccag 240

aaataatggc attattattg gtttaagtga ggaggtgtgc ttttccagat acagttttgt 300

ctcgtttgtt ctaccatgcc tg 322

<210> 9132
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g09b1

<400> 9132

tctgttggga ggagactaag gacgtgccaa agccggtgac gtactcctac tcattcttcc 60

acctcatctt ctccctggcg agcatgtact cagcgatgct cctgactggc tggtcgacct 120

cggttggcga gagcggtaag cttgtcgatg tcgggtggcc gtctgtctgg gtcaggatcg 180

cgacccagtg ggcaacggca ggtctgttca tctggtccct cgttgctccc ctcctgttcc 240

cagacaggga gttctagatc gacctggtta cctgctaaga gtgcatcatc cgtttggagc 300

acctacttat cgtatcgaac gtgtttcggc tgtgatgata gctaagctga ctatctgtat 360

ctggtctgta atattgtgtg agcaaaccca tggcaaggag ctggtgtttg tgtg 414

<210> 9133
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g10b1

<400> 9133

tctttcgctc ggctactgcg acgaacgaga ggagggcgtt ttggtgttcg agtacgcccc 60

caacggcgac ctgcacgaga ggctccaccg gagcggccag aagcgggcgg cgctgccgtg 120

ggcgcggcgg atggccgccg cgttccaggt ggcgatggcg ctggagtacc tccacgagag 180

ccaggacccc gcggtcatcc acggcgacgt caaggcgtcc aacgtcctgc tcgacgccaa 240

catggacgtc aagctctgcg acttcggctt cgcgcacg 278

<210> 9134
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057g11b1

<400> 9134

tttcgcccac gcgtccgccc acgcgtccgc ccacgcgtcc tcggacgcgt gggggaaggg 60

agtcaatggt tgctggattt tatcatgtgg gctatgaaga tccattgctt atgcttatga 120

gaaggagaac tgttcatgct ggattagttg tgaagggtga ggaaggtgca ctttctttga 180

caaccaaaga aagatcggcc catgcttcca aagggattcc agtgaaccac tgctcagggt 240

tccggacacc aagcagggca aacttctgcg aaactgacgg tatttctaga gagagcttca 300

gagttgctgt gaatgctcag gaacttggtt tcaaatccac tgaaactcca agaactgata 360

aatcagtact gaaaaacttg gagctgggtt tgtcagcgct gggtggagac aaagggcctg 420

cttatgaccg aatagt 436

<210> 9135
<211> 300
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h01b1

<400> 9135

tgatttgaac cgcggggcat atgttcagga gccggatttt gtgaatgatg ggatgcaggg 60

gggccaggtc cagctgcggc gtgatcccag cagggcgaac ggtggcggcc agccgcagtc 120

gcgttcgttc acctatcaga gctccacggt gactttatgg tgggattaat ggagcctatt 180

ataccgcttc caagacccgg aggagtggca gcgatgggat tactgtcgaa gaaagcaagg 240

aagcagacac tacgactaaa gaggccactc ataggatctc caggggaatt catgataagg 300

<210> 9136
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h04b1

<400> 9136

ttgtctgttg ctcgccgccg tccccctccg cctccgcgca cccaggaaag atggcgtccc 60

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tctgggatgg caagagcagc gccgaggatt tggagaaggt tgccaccgac ctcagggcca 180

gcatctggaa gcagatggct gatgctggga tcaagtacat ccccagcaac accttctcct 240

actatgatca ggttcttgac accaccgcca tgctcggtgc cgtcccagac cgttactcat 300

ggaccggtgg ggagatcaat ttgagcacct acttctcgat ggctaggggc aacgccaccg 360

tccctgctat ggagatgacc aagtggttcg acaccaacta ccacttta 408

<210> 9137
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h05b1

<400> 9137

ttgttgacgc gtgggtcccc cgcaagcagc cgcaagccgt cgaggccgac ggcgacggga 60

gccccccaat ccccaaatcc tgcggcgcgg ggcctcaaat tcggcgccgc gcagcagcct 120

cggtccggct tatggatcca gatgttctcg tgggcccgta gcaagcagtc ctcgcccgcc 180

tcctcctccg gccgccgcgg cggggacgcc gccgccgcca tggactccgg aagcagccgc 240

cgcagcggcg gggggagcgg gcacggcagc ggcagcggga gcgggagccg cggacgcagc 300

ccgcggctgg agcggcgcaa cgcggcgaag cacatcgact acgaggcggg cgcggcggcg 360

acgac 365

<210> 9138
<211> 54
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h06b1

<400> 9138

tgtttgggtc ggcctcgtca aggccttcca gagcgcctac ttcgtcaggt acgg 54

<210> 9139
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h07b1

<400> 9139

tttttgacca catcctcccc ccaatctcgc tccctccctc cctaccacgc tggtccctgc 60

gaggcggcgc ggcgagcgcg agcagtcggg tccggtcaaa gccaggcggc gatggcgtcg 120

tcggcgccgg gcggcggcag cgggaagatc gagcggctgt cgtcgatcga cgcgcagctg 180

cgcctgctcg tcccggccaa ggtgtccgag gacgacaagc tcattgagta cgacgc 236

<210> 9140
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h08b1

<400> 9140

cccacgcgtc cgcccacgcg tccgtttcaa ctgttctatg tgatgggaga tagtatctta 60

acaaggtctg atctggaagc tgtattggcg ttcattcatg aaaccatatt tgcagataat 120

aaggaagcca aggaaggttc aaacaagagt acatttgaag catttcacaa ctctgcggta 180

ttttcaaagg atgctgaagg ggtctctgag aagtctatgt cattatcaga ctttagaaac 240

tggtgtattg tcatgccatc actgaggaaa ttc 273

<210> 9141
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h09b1

<400> 9141

tgttgcccac gcgtccgccc acgcgtccgg ggacgctttg tttgcaaaga aatgtgatgg 60

attgccactt gcacttggag ttttgggagg ttatctgtct aaaaatctaa atgcacaaat 120

atggtccgat atactctttg attggccagc aaccaaggat ggacaaatga tgagtgtcat 180

actggcacgc agctacaagg acctaccgaa tcatcatttg agatcttgtt tactttattt 240

tgctg 245

<210> 9142
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h11b1

<400> 9142

tcccacgcgt ccgaattaaa attgatcact gatctgatag gatcaccaga tgattctagc 60

ctaggatttc ttcggagtga taatgcacga agatacatga agcaattacc acagtaccca 120

aggcaggact tccgactgcg cttgcgcaac atgtctgatg gtgcagttga tctattagag 180

agaatgctgg tgtttgaccc aagcagacgc atcactgctg atgaggctct gcatcaccca 240

tacttggctt ctcttcatga catcaacgaa gaacccactt gtccggcacc tttcagcttt 300

gattttgagc aaccatcttt tacagaagaa catatgaaag agctcatctg gagggaaact 360

ttagcat 367

<210> 9143
<211> 325
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189057h12b1

<400> 9143

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ctaggattta ttcggagtga taatgcacga agatacatga agcaattacc acagtaccca 120

aggcaggact tccgcctgcg cttccgcaac atgtctgatg gtgcagctga tctattagag 180

agaatgctgg tgtttgaccc aagcagacgc atcactgttg atgaggctct gcatcaccca 240

tacttggctt gtgttcatga catcaacgaa gaacccactt gcccggtacc tttcagcttt 300

gattttgagc aaccatcttt tacag 325

<210> 9144
<211> 350
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189059a03b1

<400> 9144

ttgagtcnca agtttccaac ttccaacaga acggagatgg cgagcagaca gttgccggca 60

atgctgctgc tcaccgcggt gacaatggcc ggactggccg ccggagcgcg cgcgggcggc 120

atcgcgatct actggggcca gaacggcaac gagggcacgc tggcgcaggc gtgcgcgacg 180

ggaaactaca agttcgtcaa cgtggccttc ctcttcacct tcggcaaggg ccagaagccg 240

ctgctgaacc tggccgggca ctgcgacccg gcgaccagcg gctcgtgcac cttcgtgggc 300

gccgacgtca agtcctgcca gagccgcggc atcaaggtcc tgctctccat 350

<210> 9145
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a07b1

<400> 9145

ttcgctcgag aagatcggat tcgatttgga tttctagggt ttgttcatcc tcatccccat 60

cccctcctcc gtcgccgtcc gtcgtcttcc ccacctccga tcaaatttgt gatttttcat 120

cgatttccat aagatatgat ccccaactcc ttcgacacct tcctctgatc tgtcccccca 180

ggaaatccca catccagatt ccacatacta tggtgcgccg ccgcccgtct tcctcctcct 240

cctcctcgtc gccgatgctc cacaagaacc tccgcgcgct cggccccggc ctcaatccgt 300

ttgccccctt cggcatgggc aactactccc gctaatcccc cctcccctcc cctctccttt 360

gctctgattt gcttttctcc ccggatccga tttggttctc ccccc 405

<210> 9146
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a09b1

<400> 9146

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cattactcca agtgaaacac aaagtccagc tcatggaaat cggcaacaac catatatgga 120

atctccagtt gccttgagac cacattttcc agctgatagg aaatgggctc ttgggcttca 180

gtctcgagca catccaagag aagttatgac tgaagtgctg aaggctctgc aagaactgaa 240

tgtatactgg aaaaaaattg gacactataa catgaaatgt agatggagtc ctcctggctt 300

tcccggtcag gagaatatga atcataccaa ttataacttc agtgcagagc ctattgaaac 360

cgacgacctg ggtgacaagt taaatttaat t 391

<210> 9147
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a10b1

<400> 9147

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ctgacggagg aggcgcccgc ggtggagacg cccgtcgccg cacgtggagg ccacgaagac 180

ggtggaggtc cccgcgccgg cggaggccga ggtcgaggcg cttgtccccg tcgaggttga 240

ggagaccaag gaggagg 257

<210> 9148
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059a11b1

<400> 9148

ttcgttgtag acgcgtgggc ggacgcgtgg gggcgactgc ttcacctcca acacggcggc 60

gttccgcaag gcggtggagc acctgtcgca gtactctggc gagggcggcg gcggcggcat 120

gctctacgtg cccgccggcc ggtggctcac cgtgccattc aacctcacca gccacttcac 180

gctttttcta cacgccgacg ccgtcatcct cggcacgcag gacgtgacc 229

<210> 9149
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b02b1

<400> 9149

tcgggtctcc cctcaccagc aacccaccgc accaaacacc ggctcctccc cgccgctctc 60

ccgccatgaa gcagctccac aagtccccca cccacgcgcc gtcgccggcg cacgcgccgg 120

cgtgcaagat ctccaagccc gcgcgccccg ggccgcgcac ctgggtcggc tacctcctcc 180

gcgagcagcg cctcctcttc gtcctcctcg gtgcgctcat cgccacctcc ttatttctcc 240

tgcggcccta cctcttctcc ctgtcagcct ccaaccccac cgagcgaagc cccatcttct 300

ccttcaccgg ccactcgtcg gactcccgcg gcgtcc 336

<210> 9150
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b03b1

<400> 9150

cgttctcctg atccgccgtc ccgccgggta tctaccactg aactgtgaga taaagtgctt 60

tcagttgatg caagagggtg tgcacacatc ttcatctatg gcctactatt gattgctctg 120

cagtgatcag tttgaagtct tctttcttcc tcttgctacg agttttcttg cttctctggt 180

gggctacagg agaggtggaa gcagataaag gcagacaggc agctcagcca ttctatgtcc 240

agggacttgg attgtcctgt tcagacacag atggctgttg cagtcctgga tcggagtttc 300

agcagtgact atcctgcaag tagcaaaact gaggggagac ctttgagctg gaagagagtt 360

tttgttcaaa ctgataatgg ttctgtc 387

<210> 9151
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b04b1

<400> 9151

ctcgcctacg cgtccggtgt ggtgaaggta cactgatgtg cttgaggagt tgaagaagaa 60

cccatagagc catggaggac ctcctgattg catagcttcg tgagctaatc cttagagaat 120

tggggcttca tgacatcttc aagaaggcta aggacgagga gaacgctcag gctctgtcac 180

tgtttgaggg agttgttcag cggaatgatg aaatagaaga tggtgagaaa cgagcagaga 240

acttgatccg tggaatctta g 261

<210> 9152
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b06b1

<400> 9152

tcgatgacac gagccgatcc atccatcctg aaaaaaaaag agtgccggtc gaaaatgccg 60

gtgagcagga tcgccatcgg cgccccgggg gagctgtccc acccggacac cttccgcgcc 120

ggcgtcgccg agttcatctc catgctcatc ttcgtcttcg ccggctcagg ctccggcatg 180

gccttcggca agctgactga cggcggcgcg acgactccgg ccgggctgat cgcggcggcg 240

ctggcgcacg cgttcgcgct cttcgtggcc gtctccgtgg gcgccaacat ctcgggcggg 300

cacgtgaacc cggccgtcac attc 324

<210> 9153
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b09b1

<400> 9153

tttcgctcga taagccctct tttgagtgtg tagtacagac aataattttc cagggtagca 60

agaaagagtg aaagcacaat ggtgaagctc gcattcggga gctgtggtga ctccttcagc 120

gccacgtcca tcagggcgta tgtggcggag ttcatcgcca ccctcctctt tgtgttcgcc 180

ggcgttgggt ccgccattgc ctatgggaaa atcaccgatg atggcgctct cgacccagtt 240

ggccttgtgg cgatcgcgat cgcccacgcc ttcgccctct tcgtcggtgt cgcgatcgcc 300

gccaacatct tcggcggcca ccttaacccc gctgtgacct tcggccttgc cgtcggcggc 360

cacatcacca tcctcaccgg gatcttctac tggg 394

<210> 9154
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b10b1

<400> 9154

ttcgtttcta atttgacata cactatggat gatcgcacta agttatcaga gcgcttccat 60

actgtatcgg atagcgttgg aatgaagtca gaagttaagg tcgtgccggt tcgcgagcaa 120

gctactttct tgagaaaacg attcgttcca ggtgctttcg gaactttacc cgtacccagc 180

tttggccgtg tgttgtcaaa actgcctgtg agggcgaatt ttaacgcctc tgtcactgac 240

gatgattata tggcgggcaa gctactgtct gccgcctatg agcatcggca cattgctagt 300

tt 302

<210> 9155
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059b11b1

<400> 9155

ttcgttcgcg gacgcgtggg cggacgcgtg ggcaaacctt agttgcatcc cacccacgac 60

cggccggcaa tccatggcgc tgcgcaacct ggccaagaag ttgcggatcc ccacctctgc 120

tgctgcccgg ctcccgtccg cccccaaccc tgctgatttc cggttcccat cggaccctgg 180

cgcttggcgg gcgtccgttt ctcggctcga gagcgctaga gactggtatg agtttcagcg 240

agcacgttat gatgatgtga caacagagtt aaaaaacttc aggcgtgagg ttgtgtggac 300

tgaaagggcg gcttacctgt ttgattt 327

<210> 9156
<211> 314
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189059b12b1

<400> 9156

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tccatggcgc tgcgcaacct ggccaagaag ttgcggatcc ccacctctgc tgctgcccgg 120

ctcccgtccg cccccaaccc tgctgttttc cnnntcccat cggaccctgg cgcttggcgg 180

gcgtccgttt ctcggctcga gagcgctaga gactggtttg agggtcagcg agcacgttat 240

gatgatgtga caacagagtt aaaaaacttc aggcgtgagg ttgtgtggac tgaaagggcg 300

gctaacctgt ttga 314

<210> 9157
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c01b1

<400> 9157

ctctatttca cgtttctcgt gtgaccggcg tggaacattt tccatttctc atgggatgtc 60

atcggccaga ctctatataa aggtctccca tccttgtatc attggtgccc cgccatgaag 120

tgcccttccg attcctcggc tggtcgtgat ccctgggctc ctcctcccgc ttctggcggt 180

ggcggctcca gcgagccagc caagaagcgg cagcggacct cgagctcgag ccaggctgag 240

gcatcctcct cgtcctcaca gcctccgccg cagcagccgg gggacgcgag agaggtgccg 300

gatctggggg aggacgtgat gtt 323

<210> 9158
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c03b1

<400> 9158

ctcgcctacg cgtccggacg gagtcacaac cattgatgtt aagtcatagg agtacaagaa 60

caaacaagct gttggacatc ctgtgaacag ctggatgaat gcaaagattg gcttggcagc 120

cgaggacatt gctttgccaa gtgctatttc tgccaaagtt gttcatccat gggatggccc 180

gggaacatac catggaggac ccaaactttc aatttatggc ttgcctacgg attttgctgg 240

ccc 243

<210> 9159
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c04b1

<400> 9159

ctctgctatg gggtaatctg gaaaggggac gagctgattc aatgggtccc cgagacgctg 60

gagtcgctgc gaaaattggg caagaaatta gtttttgtaa caaacaattc taggaagtcg 120

agaaggcagt attcaaagaa attcaaaaca cttggccttg aagttcccga ggaagagatc 180

ttcacgtcat catttgcagc agccatgttc ttgaagttaa ataatttttc tccagaaaag 240

aaggtttatg ttgttggtga ggatggcatt ttggacgagc tcaagttagc tggctttgaa 300

tgttttggtg gtccggagga tggcaagaaa aacatactgt tggaggcaaa cttctacttt 360

gacca 365

<210> 9160
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c05b1

<400> 9160

tgcctccata cgtggcgtta actagctatc ttgcagttct ttctatagaa gagagcggta 60

tttcagaagg attagctgca attaaagcag accgagcagc agagagcata tctcacagaa 120

gtgcccaact tcatgggggc acagaagatg aactctcact gaaagactct ttggcggccg 180

tgagaaatgc acctcaagca gcggctcgga ttcagaatgc cttccgtgcc ttttctttga 240

ggaggagaca acacatggac gctcgactta aggatgaata tgggatgaca cacgacgata 300

tagatgaact tgcagctgca tcaaggttat actaccaaca tc 342

<210> 9161
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c06b1

<400> 9161

tcggtcgctg ccgagccgaa ggaggagctg atctggttcg tgccgctggt gggcggcgac 60

gagcgctcgg acacggtgct cctcaagttc ctccgcgcgc gcgagttcaa ggtcaaggag 120

gccatggcga tgctcaaggc ggccgtgctg tggcgcaaga gcttcggcat cgacgcgctc 180

ctcggcgccg acctcggagt gccggagctg gagaacgtgg tgttctaccg cggcgccgac 240

cgcgagggcc accccgtctg ctacaacgtc tacagcgagt tccaggacaa ggacctctat 300

gagaaggcct tcggcgacga caagaagcgg gagcgcttcc tcaagtggc 349

<210> 9162
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c08b1

<400> 9162

atctcctaga gcagtttgct gagggtgtgt ttaagaccat agctgtcact cctgaggaga 60

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acttcgcctg caacaaggac gagaccctgg ccgcaaacta cctgttagac cacatgaacg 180

agtttgacga cggagcgccg cagtaagaca aagcaggttg tttctgaata catgcacaag 240

cccatgggaa caagggtgtg gggagactga tactcctgca ctcgcagggc aggccttaga 300

gatctttttg agattttgtc tcgtccttt 329

<210> 9163
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c10b1

<400> 9163

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ccgatagaaa ggtgagagtt gaggggtagg tcagccgacc ggagggctgt ggaccatgtc 120

tggcgtgtgg gtgttcaaga acggtgtggc gcgcctggtg gagaacccgg ggagcgagcg 180

gacgtctaca gtgcgacaga aggcgctgct gcacacgcct agcgggcagg tggtgtcgtc 240

gtacgcgacg ctggaggcga agctgacggc gctggggtgg gagcgctac 289

<210> 9164
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c11b1

<400> 9164

tcggagatga ccaagctctc tggtatctct gacatcatcc ctgagacgga ggtctgtgac 60

ttcgacttcg agccctgcgg ctactccatg aacgccatca acggatctgc cttctccacc 120

atccatgtga cccccgagga cggcttcagt tacgcgagct acgaggtcat gggcatggac 180

gctccggccc tggcctatgg cgacatcgtc cagagggtcc tccggtgctt tggcccttca 240

gagttctcag tggcggtcac catcttcggt ggccgcggtc atgccggcac ctggggcaag 300

aagctcgacg ccgaggcata cgactgcaac aacgttgtgg ag 342

<210> 9165
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059c12b1

<400> 9165

ttcgtcgcca cgcgttcggt cagccactac ccggcgtgcc cgtgcccgga ccttattacc 60

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ggcggcctcg aggtactcaa ggacggcgag tggctcgacg tgcagccgct ccccgacgcc 180

atcgtcgtca acaccggcga ccaagtggag gtgctcagca acggccgcta ccgtagcgcg 240

tggcaccgcg tcctgcccat gcgcaacg 268

<210> 9166
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d01b1

<400> 9166

ctcgattgca cgtttctaga gtgaccggcg tggaacattt cccatttctc atgggatgtc 60

atcggccaga ctctatataa aggtctccca tccttgtatc attggtgccc cgccatgaag 120

tgcccttccg attcctcggc tggtcgtgat ccctgagctc ctcctcccgc ttctggcggt 180

ggcggctcca gcgagccagc caagaagcgg cagcggacct cgagctcgag ccaggctgag 240

gcatcctgct cgttctcaca gtctccgccg cagcagccgg gggacgcgag agaggtgccg 300

gatctggggg aggacgtg 318

<210> 9167
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d03b1

<400> 9167

aaaggggacg agctcattca atgtgtcccc gagacgctcg agttgctgcg aaaattgggc 60

aagaaatcag ttttttgtaa caaacaattc taggaagccg agaaggccgt attcacagaa 120

attcaaaaca cttggccttg aagttcccga ggaagagatc ttcacgtcat ca 172

<210> 9168

<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d05b1

<400> 9168

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gcgcgctcgc ccacggtgct cctcaagttc ctccgcgcgc gcgagttcaa ggtcaaggag 120

gccatggcga tgctcaaggc ggccgtgctg tggcgcaaga gcttcggcat cgacgcgctc 180

ctcggcgccg acctcggagt gccggagctg gagaacgtgg tgttctaccg cggcgccgac 240

cgcgagggcc accccgtctg ctacaacgtc tacagcgagt tccaggacaa ggacctctat 300

gagaaggcct 310

<210> 9169
<211> 252
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d06b1

<400> 9169

accacctaat ttaggtgtac taggttttgc gccaatattg tttaacctcc cgctaaaagg 60

tcccaaatta gcgtctttgt tcccaccaaa aaattatggt tccgctaaat accttgctaa 120

caacccacga atatataatt ctagaccaaa cgacggcgtc ttcacgagcg attggatctg 180

agctctcgtc tcggttcatc tgtgctgccg gcgtcatgac ggcgtcaata gagcgaacca 240

cgtcaggtgc ac 252

<210> 9170
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d07b1

<400> 9170

ttcgctcgcc acacaccacc cgtctcgtcc tagctgctta ctcctaccgc tcgccactcc 60

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ctttcaagta taaaagcaac tatattcagc atggcatttg agtaagcatc agaacctcaa 180

aagccaagtt tgtcagcaat attatacctt tattggtgca acacttccgt agagaagatg 240

gtggatgacc tgttttatga gggcaacact gatcacagca tcagctctga ggacgaagac 300

acacttgtca ggagttgtag taatctcagc gtaagctttg gatattattg caattcttat 360

cagagtttcc ctcttgaaaa tgatgagcat gacacctctc cccagatg 408

<210> 9171
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d08b1

<400> 9171

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gcatcctcgg gggtcggagg cgatgacgcc gtccttgtgt ccggggaagg cggcgacgtc 120

ctccacgacc acttcgccct cgactcctct tcctccactg gcttctccgg cgagggctcg 180

tggtcggagg ctgcctccga cgacgtggaa attgaatccg ggttaggatc agtggacaga 240

tttggttctg ctatgcaaga gcagacggat cttattgggg tggtggattc cagcgcacag 300

ttgcaattag gctggattga tgtgactgca caagc 335

<210> 9172
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d09b1

<400> 9172

gaagtgcatc atgtatcgtt tgttttccct caatctctaa gccgatagaa aggtgagagt 60

tgaggggtag gtcggccgac cgaagggctg tggaccatgt ctggcgtgtg ggtgttcaag 120

aacggtgtgg tgcgcctggt ggagaacccg gggagcgagc ggacgtctac ggtgcga 177

<210> 9173
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059d10b1

<400> 9173

tcagtctgtc tccttgtctc atgcgactcc ggccttgctt ctatggtggg gacaagaacc 60

cggacgtgga tttgtacttc cacccgtacc gtctccagca gctgcgatct atgtggcgtg 120

atgacattgg ccttctttgc cgtggcaagg gggagttcgt ggtggcgcag ctcacatttg 180

gcggccagct ctgcgtgcta caccataaac ctggggagga gcagggcgac atgaattgga 240

gcgtttaaaa tatgcccttа cctgacggcg atgacatccc aaacctgctg cg 292

<210> 9174
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e01b1

<400> 9174

tcgcttctcg ccacgcccaa acccaaagcc aggtcgcact ccttctgctc ctatcctctt 60

cctcgccgag gcggggaccg gccagcgccg ccaccgtcac cgcccgcgca tctccgttca 120

attcggcgaa tttggggctg aggaaagagg aggaacgact tttcgctggt ggcctgaaat 180

tcaggacaag atgcactttc ttgcatcatt tcacggccct gcaggttttg agcttctgtc 240

tgtttcgctg ggatggatgc caagaagttc ctgcagatgg tcgaagacaa gaagaagaga 300

ct 302

<210> 9175
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e02b1

<400> 9175

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ctcgccgagg cggcgaccgg tcagcgccgt caccgtcacc gtccgcgcat ctccgttcaa 120

ttcggcgaat ttggggctga ggaaagagga ggaacgactt ctcgctggtg gcctgaaatt 180

caggacaaga tgcacttcct tgcatcattt cacggtcctg caggttttga gcttttgtct 240

gtttcgctgg gatggatgcc aagaagttcc tgcagatggt c 281

<210> 9176
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e03b1

<400> 9176

tctttttcgt ccgaagcctt tctccaatag cggaagtttc gcgccatgtg aagaaaagct 60

agaggaagcc caggaaaatc tgggtatccg accacatgat tatgttccag taacttatgt 120

tgctgaagta aattggttcc aagaagagat gagatttgcc ccaacagcgt tccttgttgg 180

actactatat tttatgggga aaaggatgca gagtggattt aatattggag 230

<210> 9177
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e04b1

<400> 9177

tcgtttgact tgcgcatccc acctaacacc gcccgtggtc tgggagctgc cgccgccgcc 60

gcggagcagg ggactcgatg ggattcgacg ggctggtcgt tgtgtccgac ccttacctgc 120

agcgccgctt cacgcaggcg gacctccgcg cgctccaggc acagtacgcg gggctgcggg 180

acacggcgcc caccggcagg ctgcggctgc gggaccttcc cgccgcgctg accggcctgg 240

ggagccccac cgctatggcc gccgataaag gggaagcgct gcgcggggac gccgggaaag 300

agatcagctc gccgcccgag cgggcgctca cggacgagga gtggtcctcc gtgctcacgg 360

ctgtc 365

<210> 9178
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e05b1

<400> 9178

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ttgaggagct cctgtacagc gatgttgaga acgatgaaca catgtttgtg ttgaaggaca 120

ggaacaagcc aatcatcttt tcaatggctc gtcttgaccg tgtgaagaac atgactggct 180

tggttgagat gtacggcaag aatgcacatc tgaaggattt ggcaaacctt gtgatcgttg 240

ctggtgacca tggcaaggag tccaaggata gggtggagca ggccgagttc aagaggatgt 300

ccagtctcat tgaggagtac aagct 325

<210> 9179
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e06b1

<400> 9179

ttgttcagcg tccgcccacg cgtccgtcca tgtttgctag atctgccgtg cttctcccct 60

tgctgcccgt accgactccc ggttcttttc tccggttcct cggcgatggt cgtctgcaaa 120

tgccgcaagg cgacgagggt ttattgcttc gtccaccagg ttccggtctg cggcgagtgc 180

atctgcttcc cagaacatca attatgcgtg gtgaaaaact atgctgaatg ggttgttaat 240

tctgattatg actggccaca acactgctct ttgtgtaatt tagttctaga agctgcaagc 300

gaagaaacta cacgattggg ttgcctccat gtgatgcaca caaaatgct 349

<210> 9180
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e07b1

<400> 9180

ttcgttcgtc cacgcgtacg ccacactcta ggatctgttt ctgactctgt tccgattcga 60

cccgatcctg ctggccgccg tcgtcgccgt cgccgtcgcg ctgcagctgg gctcgtccga 120

ccacgcgtct ccgaggatgg accagccgcc ggatggcttc gccgccggag gtcttttcgt 180

tcagcacatt gatgggcaaa aagcttctcc ccctgctgta attgtgattg gcggagggat 240

ttcaggcatt gcatctgctc gtgccttgtc aaatgcttca tttaaggtca cattgctaga 300

gtcgcgggag cgacttggt 319

<210> 9181
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e08b1

<400> 9181

tccagatttg gccgccccac cggcgctggc ccgccgccag atcggagcgc ggccccggtc 60

cgatcccgct gcgccctccc cagggacatg ggaatggagg tcgtcggagc tgaagctgca 120

ccagcacagg t 131

<210> 9182
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e10b1

<400> 9182

tcgggtacct cgccgggaag atcaccgtct tcgaccgacg aggacacgtt gcaaagctgt 60

gcgccgtcat cctgcctctc ctcgtggccg cgctcatcgc catctcgcgg gtagatgact 120

actggcacca ttggcaggac gtcttcgcgg gcggcatcct tggtcagaag ctcgcgccta 180

ttctttgtta tctctgaact ctttttttt ttactattcc tgtttttgcg ggaaatctcc 240

aaactctctt tgttgctgac gaggtttgtc atgtccgtga aggaatggtg gttgcgtctg 300

tttgctacct gcagttcttt ccaccaccct ctgatgacaa aggcttctgg cctcatgccc 360

acttcaggga catc 374

<210> 9183
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e11b1

<400> 9183

caagcaagca ttggccaatt caccatggct gggcttcagc tctccgtcct agcggctgcg 60

ccgcctcttg tgctcgcgcc cctccatcgc cgggaccccg acatgctcca ggacgtctgc 120

gtcgccgacc tggcatcccc gatcaagatc aacggcttcc cgagcaaggc caacatcacg 180

gcggacgact tcttcttcgc cggtctgaag aaggccggca acaccaagaa cccggctggt 240

tctgtcgtca cggcggcgaa cgtgcagtca ttccccgggg tgaacacgct cggcgtgtcc 300

atggcgcgca tcgactacgc ggttggagga cagaacccgt cgtacaccca cccgcgcgcc 360

acc 363

<210> 9184
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059e12b1

<400> 9184

gcccgtaccg actcccggtt cttttctccg gatcctcggc gatggtcgtc tgcaaatgcc 60

gcaaggcgac gagggtttat tgcttcgtcc accaggttcc ggtctgcggc gagtgcatct 120

gcttcccaga acatcaatta tgcgtggtga aaaactatgc tgaatgggct gttaattctg 180

attatgactg gccacaacac tgctttttgt gtaaattagt tctagaagct gcaagcgaag 240

aaactacacg attgggttgc ctccatgtga tgcacacaa 279

<210> 9185
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f01b1

<400> 9185

tcgcttcgcg tccgtccacg cgtccggaca gaaatcgtcc tttcgttagg ctagggcgag 60

gcgagagtag attggatctc gagctcagca cgcggcggcc atggaggacg aggagcacga 120

ggtgtactgc caggagatcc ccgtcgacgg cgaggacgtc gacatgggcg ccgggggcga 180

cgacgccgcc aagctgcacg agctcgacta gatgaagcgc cgtctcaagg agatggagga 240

gga 243

<210> 9186

<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f02b1

<400> 9186

tcgctacgcg tgcgcccacg cgtccgccgg agtgggttcc tgcctgccgc tgcggggcac 60

catcaccgac tccggcgacc ttgtgccact gtgctacatc gccgggctca tcaccggacg 120

ccccaacgcg caggccacca ctgttgatgg caagaaggtg gacgccgccg aggcattcaa 180

ggcgccctgg catcgagggc ggcttcttca agctcaaccc caaggagg 228

<210> 9187
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f05b1

<400> 9187

cttgggtctt gctctcttcg ccttcctccc cggccgggtt tttctaaccc taggcgccgt 60

cggccaggaa gcccatttac cagccatgtt tggacgcatg ccaaggaaga ccagcaacaa 120

caccaagtac tacgaggtgc ttggtgtatc caagacagca accccggatg agttgaagaa 180

agcttaccgg aaagctgcta taaaaaacca tcctgataag ggcggagacc ctgagaagtt 240

taaagaattg gcacaagctt atgatgttct caatgaccct gaaaagaggg agatttatga 300

ccaatatgga gaagatgcaa tcaaagaagg gatgggaggc agcggcggcg ctgatatgca 360

tagccccttt gacatattcg aacagctatt tgggggtgg 399

<210> 9188
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f06b1

<400> 9188

ttgattggtg gtaatggttc tctgcagaga ttttctgttt tcaatcacag gtgaatggcg 60

tgcggcagga tgagcaagct gaagcctagg aaacttgtgc acatacagct tcgaagagag 120

gtagagaccg aagtgagcag ctgctgccga aaaggccttg aaactcggaa ccgagcttgc 180

agacaatgtg catctgtttc cctttgccat ttctggcgca gggtccggct cgtcaaagtt 240

gggatgaagc atagcaaggt tttagataga tcaaggggga aaattttccg gtccggtcgt 300

gttatttctt ggatagcgtt tgttcattct gggtcgactc tgtttttccg tcgtcgcaat 360

ttttctggac agagcagagt gtgcaacctg taag 394

<210> 9189
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f07b1

<400> 9189

ttcgttcgcc acgcgtccgc tccgcggcat gtacggttac gcccccacgc cggcgcccga 60

ccggccggcg tcgccccccg tcccgccgct cccggcgcca tcgcggcaac aggcgaccgc 120

gcggcggacg gcggacgagg tgtggagaga gatcaccggc ggtagcggcg gggaggagga 180

ggcggccccg gcctccgctg gcggggccgg ggagatgacg ctggaggact tcctggcgag 240

ggaggacggc gccgtcgtca ggggg 265

<210> 9190
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f08b1

<400> 9190

tctcgctcgc ccaatcccac cgtggtgctg gacgcctgcc tggtcgtggg ccacctcatc 60

cccatggtgg agctcgccaa gctctccctc ggccgcggcg tgcccgtcgt catcgccgac 120

ccgaccccgc cggcatccac cgccgacttg ttctgctcct ccgacttcgc cgccgccgcc 180

atcgaagccg ccaacccttg catcgccttc caccacctcc 220

<210> 9191
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f10b1

<400> 9191

ttcgttctgc catggtgtgc gtggcgtgcc tgatccggct ctttctcatc cccttcgtca 60

acgcgctccc ctacctttt gacctcctcc tcagcaaggt ttatcgcatg cttggatggg 120

aatacaggag gcccgagaga gtcccagctg cctgcccgtt caagcctgca gcaaacaaga 180

ctgaaggtgt ggtgggtgaa tcaaaaccag tagcaaatcc tcatgttgct agtgcaaatc 240

ctctggtgga accccagagt gctaccacag aaatgaagaa agatgattag aacatgtaac 300

ggtcgcccga tttgacttat gtgaacaact cactatttgt atttgagatt gtgtcgtaac 360

cgagaaataa ttaatgtaag attgtatatt tgggcaaggg attgctaaaa tattccca 418

<210> 9192
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059f12b1

<400> 9192

acccccgcag ccaatcccac cggacgcttg cctgccagcc aaccccaatc tcgactcctc 60

cgacgtcgaa tccggttccg agtccatatt tgaggtgcca ccatgttcaa caggttattt 120

gggaagccca aggagcaggc caacgccggc gcgttggcca ctttggataa gttaaacgag 180

actcttgata tgctggagaa gaaagagaaa gtgttagaga aaaaagcagg tgctgagctt 240

gagagggcca aggagttctc aaaagcaaag aataaaagag cggctatcca atcattgaag 300

aggaaaaaac tttatgagc 319

<210> 9193
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g04b1

<400> 9193

tttctatgcg tccgcgcgac ctcctgtttc cgcccacctt ctccggctcc ggcgccggcg 60

aaccaatcgc ggatcgagcg attcctccga tcaggagagg cgagccggga ggaagagcac 120

ctacgcggga ggagacgaga tggggctcac gttcaccaag ctgttcagcc gcctgttcgc 180

caagaaggag atgcggatcc tgatggtggg tctcgacgcc gccggaaaga ccaccatcct 240

ctacaagctc aagctcgggg agatcgtcac caccatcccc accatcgggt tcaatgttga 300

aactgtggag tacaagaaca tcagcttcac tgtctgggat gtcgggggtc aggacaagat 360

caggccactg tggaggcatt acttccagaa cacaca 396

<210> 9194
<211> 394
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189059g06b1

<400> 9194

ttggttctct cccactacta ctagnagncg tgtttgttcc ttttacgctt gcacatcagc 60

gctaatccaa tccatccatc ccctaatcac caccgccgcc ggcctaatcc cctttcctct 120

gctacgcgcg cgatggcggc ggcgacggct ccggtggagg tgcccgtggc ggcgccggtg 180

aggactgtga aggtcacaaa tgtttccctg agtgcaactg agcaagacat taaggagttc 240

ttttcttttt caggagacat tgaacatgtg gatatgaaaa gtggtgacga gtggtctcaa 300

gttgcatatg ttacttttaa agatgcccaa ggagcagaga ctgcgctcct tttttcgggc 360

gcaacaatag ttgacctttc tgttatcatt gcac 394

<210> 9195
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g07b1

<400> 9195

actttcaaca actgcaaact gttgagaccg ttcatgccag caaagacttg tcactacagc 60

tgaagaaaat gaataagctg cagaatgtta ggattgatga catcaatgca tctcattgtg 120

acgacctttg ccaagccctc tcagatatgc ccctgctttc cagcttattt ctctctgcat 180

gtgatgacaa ggagacactt tgtttccaag cactcaagcc agtttccaaa aggctccaca 240

cactaatcat cagaggcagc tggggtgatg aggcactcaa gtgcccaata tttcagggtc 300

atgggaagaa tctcaagtac ctggctctag tttggtgcaa tcttgggaat gaagacc 357

<210> 9196
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g08b1

<400> 9196

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atctcttggg ggtcacttgc ctatggatcc tctcatgcgc cttgctgctc ggcggcgctt 120

gctccgatgg gttgctgagg atcaacctga gcaagaagag gctgaacaag gaaaccctaa 180

cagccgcgaa atcggcgagg caggagacca acctgctgag gcccggcgat ggatctcgcc 240

actctctcgg cctgtcagac gatgacatag ttcctctgga caacttcctt gacaccgagt 300

acttcggaga gatcggcgtc ggcacgccgc cgcagaactt cacggtcata tttgacaccg 360

ggagctcaaa cttgtgggtt ccgtcgtcga aatgctactt ttcgatagca tgc 413

<210> 9197
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g09b1

<400> 9197

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tggcagcagc aatgcacccg aggctcgttg ccgtggcggc gctggtcgcg ctgatgtgcg 120

ccgttgctgt gggccaggta cctgccgccg gcggtgcgcc agtgtgcgac ggtgttgatc 180

aggacgtcgt gaatgcgtgc ttcaagagct ttggagaagg tatgaaaaat gccattgcag 240

acaggcatct ttcgggggggc aaggtcatta aggttggagt ggactgctgc atagcctttg 300

gaggccactc ctgcctctgc aagatgaaga a 331

<210> 9198
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059g12b1

<400> 9198

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actatttgcg catctgtaga tgattttcct ccattgtgcg catcttcaga gagtgaac 178

<210> 9199
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h01b1

<400> 9199

tcgtttgcct ctggactctg ctgttctatc gggtatgttg cattttcttg gccatgaaca 60

agctcaaaaa gatggctctc atggtgat 88

<210> 9200
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h03b1

<400> 9200

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tacttgctca ccgcgactcg gcgcagcgcg cgctcatcct gcacgagtac aaagccatgt 180

accatcagga tctttaccat cgcctagcaa ccgagctgag tggaaaccac aagaa 235

<210> 9201
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h04b1

<400> 9201

gtgctcacgc ccccgcgcga tgactccgtc gttctccaca aggccttcaa agggttcggc 60

tgcgacagca cgacggtgac caacatactt gcttaccgtg actcggcgca gcgcgcgctc 120

atcctgcacg agtacaaagc catgtaccat caggatcttt accatcgcct agcaaccgag 180

ctgagtggaa accacatgaa tgctatgctg ctttgggtcc tcgaccctgc tgggcgtgat 240

gcgaccatac tgaaccaagc tctaaacggg cgacatcacc gacctgagag cc 292

<210> 9202
<211> 165
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h07b1

<400> 9202

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gatggctctc agggtgattg cggagaacct gtccgaggac gagaccgccg gcctcaagga 120

gatgttcaag atgatcgact cggacaacag cgggcagatc acgta 165

<210> 9203
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h11b1

<400> 9203

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ccacctcgcc cccgtttgac tccgacgcgc acgcgcacgc atggatgtgc ggcagaggca 120

gaggagggtg gcgccgccgg cagtgggcca tgcgggggcg ccccgggtgc tgcaggcggg 180

ggacgcgctg ccgctcccga tccggcacac gaacctcatc ttctcggcgc tcttcgcggc 240

ctcgctcgcc tacctgatgc ggcggtggcg cgagaagat 279

<210> 9204
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189059h12b1

<400> 9204

tcctcatctt cttgtgcgag agatcacacg ttcctttcat tcttcaacca attcgattcc 60

atcgatgtcg tctgccctct ccttaccggc gacggtgcgg ccggcatcct ccgggcttgg 120

gcgccagctc tacgggtcgc cgccgcgcca cggtccagtg ctgcgaccga ggaggccgca 180

ggcggagcca tgccacggtc tgctggcgct gcgaccgagg acgaggcgct gcggcgcttt 240

cgggcaggac cactacggtg gcgcgctggt ggacgagggc atggcggtgc tccggcggag 300

gatccgagag gcgcggatgg ccgtgaccaa ctacgaggcg ccggcgggat gggcggactg 360

gga 363

<210> 9205
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a01b1

<400> 9205

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tagtagttcc actactttct cggttccaag gttcaattac atattttgcg cgcacatcct 120

gggtgcgcga tttccaccac aaaaaagctt gatgttacac caccatttca cctatgacat 180

cgtcgttaat cagcgatcac ctgaccacct tagaataaaa caatgcaccc gaagaacgct 240

atacttcagc aacgtagtat gttcagagct ggtgctgatg ttgttgctgc tgatcattgc 300

ttaacattgc cgaaaagggt ctggagaacg gtgttaccta acccggggac cggcgacagg 360

aa 362

<210> 9206
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a02b1

<400> 9206

tttttggttt gggcaggcca acatgcggat cctggtgacc ggcggagctg gcttcatcgg 60

ctcgcacctc gtcgacaagc tcatggagaa cgagaagaac gaggtcattg ttgctgacaa 120

ctttttcact gggtcaaatg acaacctgaa gaagtggatc ggacacccaa gatttgaact 180

catccgtcac gatgtcaccg aaccactgct cgtggaggtt gaccaaatct accaccttgc 240

ttgccctgcc tcaccaatct tctacaagca caaccct 277

<210> 9207
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a03b1

<400> 9207

gatgtcttga cctgatacct ctggaggccc caatattaga taatactcat aaatgcaaaa 60

ctggcaaaaa tcatagagca aagcgcgaat atgtagtagc tacccacaca ttgtacctct 120

cagcaggatt cagttttatt caatttaata cacagaattc aagctatgtg catatagttg 180

tgggcttgtg gcatgccacc atctgtgata tgtgaatctg agggcaaaac actcgaactg 240

aatcaacaat gcctgaaatg tatacttctt gagctctcaa 280

<210> 9208
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a04b1

<400> 9208

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ggcgtcgtcc aggagatcgt tatcgtcggc gccgggctcg ccggcctcgc cacggccctg 120

gggttgcaca ggaaaggggt gaggtgcgtg gtgctggagt cgtcggccac gctgcgggcg 180

tcggggttcg ccttcaccac atggaccaac gccttgcgcg cgctggacgc cctcggcgtc 240

ggggacaaga tcagggagca ccatctcctc tacgaaaggc tggtggcttt ctctgcatcc 300

acaggcgagg ctgctgcaaa agtgagccta aagatgcagg gtaaaagcgg gcctcacgag 360

atccggtgcg t 371

<210> 9209
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a05b1

<400> 9209

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agaagaccta ctgcaagaac aaggagtgca agaagcacac cctccacaag gtcacacaat 180

ataagaaggg aaaggacagt ctttctgctc aggggaagcg tcgttatgac cgcaagcagt 240

caggatatgg tggccagaca aagcctgttt tccacaagaa ggccaagaca acaaagaaga 300

ttgtgctgaa gctgcagtgc cagagctgca agcattactc acagcgcgct atcaagaggt 360

gcaagcactt tgaaatcggt ggagacaaga agggcaaggg aacctctctt ttctagctga 420

tga 423

<210> 9210
<211> 228
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a06b1

<400> 9210

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aaaaggcgca tgtagaagga tgttaatgaa gtgacaaaag ttgcacggct cacaaaatca 120

aaacttcagc aattgaataa agagaatctt gcaaacagag aaaagccgga ctttcacaag 180

ggatcaggtg tggaccgatc tcggacctca gtgacaatta cattgact 228

<210> 9211
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a08b1

<400> 9211

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cgccgcctcg ccacaggctc acggttattc aagatggaac acaaggaggc gggttgccag 120

cagccggagg gcccaatcct atgcgttaat aactgtggct tctttggcag tgcggcgacc 180

atgaacatgt gctccaagtg ccacaaggag atggtcatga agcaggaaca ggccaagctg 240

gctgcctcct ccttcgatag catcgtcaac ggtggcgacg gtgggaaagc acctgttgtt 300

gcggctg 307

<210> 9212
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a09b1

<400> 9212

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gagttggagg caatgctatg aatgctggtc tttatgatac acagggttac tacaatatga 120

gcatgaatca tccacatcag cctgttcata gatctctgcc aaatttaggc gttgattcag 180

gctatggctt accatcaaat atgtacaacc cttgcatgtc aacatctatg aacagatttg 240

tctttcatgc tcaga 255

<210> 9213
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a10b1

<400> 9213

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tcaagctgca caaccgcgcc cgcgccgtgg acggcgtcgg tcccgtggca tgggacaaca 180

acgtggacag gtttgcgcag gactgggc 208

<210> 9214
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065a12b1

<400> 9214

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tcggctcttg tgtacgagtg gttacctaag ggaaaccttg aagaccgcat tctgtgtgcc 120

gatgacactc cacctgtatc atggcacatc cgtacacaga tcatccgtga gggttgctgt 180

gcactactct tccttcattc acacaagcct aatgcctcgg tccacggcga tctccggcct 240

tgcaacattc tcatcggtgc tgactacaga agcaagctct acaactttgg ta 292

<210> 9215
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b01b1

<400> 9215

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gctccggatg ctcagcatct tcaaggccat actggccaac ctgcacggca aggaggacat 120

cttcgccttc gggcacgacg tcatgagagc caaatggcgc aagctcagcg ccgtcgtgtc 180

gcgctcccgc cggatctcgc tgcagaacat ccctccgcag tactgcacct acttcgacaa 240

gatcagggag ccatccccag cttatgcgtg ggtcaagtgt gagagggagg aagacagtga 300

ctgctccgac gtgctgctca aggccaagat aatcacacgg tccggcgtct ggaacgacgc 360

cagcagccgg tacacgagga taagcctcat caagtcccag gacgacttcg acctgctcct 420

cgagaggatc aca 433

<210> 9216
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b02b1

<400> 9216

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ggtgctgctc tggcaagccg cccggctgct cgaccagctg tggtggcggc cgaggcggct 180

ggagcgggcg ctccgctccc agggcctccg cggcacgcgg taccgcttcc tcctcggcga 240

cgtcaacgac tacgcccggc agaccaagga ggcgtcgtcg ggggccgccg atgccgctgc 300

gctgccacga cgttggcccc cgcgccatgc cgttcctcta cagcaccatc aaggagcacg 360

gcacgccgtg catcttctgg ttcgggc 387

<210> 9217
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b03b1

<400> 9217

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atgcaccaaa gaggaagagt atgctagtcg tgtcagaatt cataggttgc tcgccatcat 120

tgagtggagc aatccgggtg aacccttgga acattgatac aacagcagag gcaatgaacg 180

agtccattgc tttgtcagag aatgaaaacc aattgcgcca tgagaagcat tatcgatatg 240

tcagcacaca tgatgttgcc tattggtcta agagctatat tcatgatctg gagagaagct 300

gcagggacca ttttaggagg aggtgctggg gtattggac 339

<210> 9218
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b04b1

<400> 9218

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tgatgggatc ttgaaattat tttcaagaaa agttcttgct gtaattctca aagtactctc 120

tcttttgcgc ttgttcactc gccatgagca acagttggaa aatgttcatc cacatactgc 180

agccgtaccc agtaatcaac caaatcttca gatagttaag gaagaccgag taaatccttg 240

tctggagcgt cttgaaagac ttgaatcgat gtgtaatcaa ctcagcagaa agcctcctga 300

gatcccac 308

<210> 9219
<211> 322

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b05b1

<400> 9219

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ggtggtcaac ttgcattgct cgatcgcgcc gacgtctagc tcaagcaacc ttaagttagc 120

aagctagcta ggctcagaaa tcttctaggg ctatagtaca cacactttgc actacgtact 180

cacgtgtggt gtgatcacgt cgtcgtcgtc gtcgtcgaca tggtcggaag cagccccatg 240

caggctgtgc tggtggcgcc gggggtgaag ggcaagcagg tgctccccta caagcgggac 300

gcgctcaagg agaagcacgc ca 322

<210> 9220
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b07b1

<400> 9220

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aatcttggtt cctggtgaca ttgtcagcat caagctcggt gacatcgtgc ctgctgatgc 180

tcgtctcctc gagggtgatc ctttgaagat tgatcagtct ggacttacag gagagtctct 240

cccggtgacc aagaaccctg gggatgaggt cttttctgga tcaacgtgca agcagggtga 300

gattgaggct gtggtcattg ccactggagt acacactttc tttggcaagg ctgctcatct 360

cgttgacagc accaaccaag tcgggcactt tcagcaggtc ctcactgcaa tcggaaactt 420

ctgc 424

<210> 9221
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b09b1

<400> 9221

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cgcaggactt cgtcaacctg cacaaccgcg cccgcgccgt ggacggcgtc ggccccgtgg 180

catgggacaa caacgtggcc aggtttgcgc aggactgggc ggcgcagcgc gccggcgatt 240

gccggctgca gcactccggc gggccgttcg gcgagaacat cttctggggt tccgggcagt 300

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acagcaacac ctg 373

<210> 9222
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b10b1

<400> 9222

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ctcgatcgcg ccgacgtcta gctcaagcaa ccttaagtta gcaagctagc taggctcaga 120

aatcttctag ggctatagta cacacacttt gcactacgta ctcacgtgtg 170

<210> 9223
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065b12b1

<400> 9223

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cgacatcact tccattctct acctgcccta cgacgaggtg ctcgcaaagc ttccccactt 120

tgttgctgaa atcaggaaag ccatcgagat tctgcataag aacggggcga ggaagttctg 180

gatacacggg acaggcgcgc tgggatgcct gccggcgaag cttgcgatgc cgagggccag 240

cgacggcgac ctcgatgagc acgggtgcat cgcaaagttc aacaatgctg ccaagaagtc 300

aacacattgc tga 313

<210> 9224
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c01b1

<400> 9224

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ggtctatgac aagttggcgt ttgaggcaga tcatatatca atggcttcaa ttcctggcat 120

gtatgagagg accgtcacca tgaactctct ggggaagacg ttctccttaa ccggatggaa 180

gatcggctgg gcgatagcac caccgcacct gacatggggc gtgaggcagg cacactcctt 240

cctcacattc gccacctcca caccaatgca atcagcagcg gcggcagctc tgagagcacc 300

agacagctac ttcgaggagc tgaagaggga ctacggcgca aagaaagcac tgctggtcga 360

cgggcttaa 369

<210> 9225
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c02b1

<400> 9225

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gctcgtgcca ttcaacccgg agtacctcga cgagtccgtg atgtggacgg agagcggcga 180

cgtcggcaag ggcttccgct gcattcgcat ggtgaacaac attcgactaa actttgacgc 240

cctcaacggc gacaaggacc actgcggcgt gcacgacggc accaccgacg ttctctggga 300

gtgggccaag ggcgacaacc agagctggaa gatcctcccc tggggcgaag aggcct 356

<210> 9226
<211> 131
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c03b1

<400> 9226

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cgacgggttc t 131

<210> 9227
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c04b1

<400> 9227

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agcgacgccc tctacaccta catcctcgac accaccgtct tcccccgtga gcacgagtgc 180

atgcgcgacc tgcgcctcat caccgacaag cacccatggg gctacatgca gtcgtcgtcg 240

gacgaggcac agctgctggg gatgctgatc aagatggcgg gcgccaagaa gacgatcgag 300

gtgggcgtgt tcacgggcta ctcgctgctg gccaccgcgc tggcgctccc ggaggacggc 360

aaggtggtgg ccatcgacac cg 382

<210> 9228
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c06b1

<400> 9228

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tcttgcattc acgacggcaa tggccaccgg tgatgtccac aacccgacgg ccgcgctgac 120

ggaggaggcg cccgcggtgg agacaccggt ggccgccgag gaggccccga agacggagga 180

ggtccccgcg cccgcggagg ccgaggtcga ggcgtctgcc cccgtcgagg ctgaggcgac 240

caaggaggag gcgccgggcg ccgctgagac agaggaggcc aaggagaccg agccagcagc 300

tgctgccgag ccggaagccg aggcgcccaa agagccaga 339

<210> 9229
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c08b1

<400> 9229

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ctccccaccc cacaggcagc aaaaaaacac ccgaaaagaa aacactccca tcgatccccc 120

tccaatcgat ccctttgtcg ccgccctcgc actcgcgtca agcgccctcg atccctgcgc 180

tacctccctt cgccgccgct gccacagatc ccttccccgc ttcaggagcc gccgatgatc 240

ccttccagga gccacgggta tcttctctct cgggacgctg ctccgacacg atccggtaag 300

gagacaggcc tccgtgtgcg gcaacgaagg cggcgagtgg cgggcgacgg ccgacccttc 360

act 363

<210> 9230
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c09b1

<400> 9230

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tcgaggattg gagttccatt tgaaccttgc aatggcaaca acaagtatgt ccaggtaaaa 120

agggaggcgg gctcgttgcc ttcaacaatt accagtgagt gggactctga aggacatctg 180

tgtaactcag tttgcaatca tgtggagata gctatgcaag ctctctgtgc tctttatcgc 240

caaaggaagt tagcaatggg ggatgcaaga gaggaataca gggcacatac gttggcggaa 300

tttcttttgg atggtgatct gcagggacca atgagaaaaa ctgttgcgga actagagaat 360

catgatgcga caaatccact ttttcttatc caagtaacaa tcagttgctc tgggca 416

<210> 9231
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c10b1

<400> 9231

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acgcgcacgg ggcttccttc cgtgccgcac ccgcacataa aacaaaccag aaacaaataa 120

gaaaagggta aagcgggtcg gaaggggaga aaagtaagcg ccgcgcaccg taatcggaac 180

ggaaatcccc cgaatccgtc gccggaatcc atccatcgag cgatccatcc ggccggacgg 240

cgaggcggga gcaggagggg agcggtggag atggtgagcg ccttcttcct cttctgcggg 300

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gagccgggcc tccacttctt caacccct 388

<210> 9232
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065c11b1

<400> 9232

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gggaacccgc ggactcgccg tgctgctcct agcggcggtg ctgctgcagg ccctcctccc 120

ggcgtcggag gcggagggcc tggtgcggat cgcgctgaag aagcgccaca tcgaccggaa 180

cagccgcgtc gccgcgagcc tctccgaccg cgaggagggg cagcaccacc tactcggcgg 240

cgccaacacc ctccgctccg aggaggaggg cgacatcgtg tgcctcaaga actacatgaa 300

cgcccagta 309

<210> 9233
<211> 316
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d01b1

<400> 9233

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gccggtcttc cctcgctgga ctaactagcg agtagagaga gagagagagc atcagagcag 120

gcgaatcaca tcgcagagcc aaggcagcag cctcatcgcc gccggtggtt cgcttcctgc 180

cgccccacca agccccgaat caaagccggg gctgcgcctc cctccctgct attggtgttg 240

gtttatcgcg cggctggccg ggggcgctgt cgtgtgctgc ggagaggagg accggagggg 300

gcggagcatg gacgga 316

<210> 9234
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d02b1

<400> 9234

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gcgttgtccg aggccacaac ctcgtcatcg ccgacccgct cacccacacc agcgacccct 180

atgtcgtcct ctgctacggc tcccagaagg tgaagactag cgttcagaag aaaaatgcca 240

atcccttatg gaatgacgta ctggtgctcc ctgtcacaaa tcctacaaag ccagtgaaac 300

ttgaggtttt tgatgaggac aaattcacag cggatgacag catgggagtg gctgagttca 360

acgtaactga tacctatgac gctgcaaagc tggatc 396

<210> 9235
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d03b1

<400> 9235

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agagcgacgc cctctacacc tacatcctcg acaccaccgt cttcccccgt gagcacgagt 180

gcatgcgcga cctgcgcctc atcaccgaca agcacccatg gggctacatg cagtcgtcgt 240

cggacgaggc acagctgctg gggatgctga tcaagatggc gggcgccaag aagacgatcg 300

aggtgggcgt gttcacgggc tactcgctgc tggccaccgc gctggcgctc ccggaggacg 360

gcaaggtggt ggccatcgac accgaccgcg agtgctacga ggtgggcc 408

<210> 9236
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d04b1

<400> 9236

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acaacatgcg tccatctcag gaccttcggc tggccgagct cctcctgttg tcagcctccg 120

tcctcctccc cacagccaga gcccagcagg aataccggga ggaggaggag ttcagctact 180

cgctggacgc agagaatggg ccggcgcact ggggcgacat caaggaggag tggtccgcgt 240

gcggcaaggg caacatgcag tcgcccatcg accatcgcag cccgcgcgtc tccctcgtgc 300

gcggtctcgg ctacctcaac cactcctacg ccccagccaa cgccacca 348

<210> 9237
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d07b1

<400> 9237

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gagacggtca ccatcgagct caagaacggc actaccgtcc acggcaccat caccggtgtt 180

gacataagca tgaatactca tctgaggacc gtaaagctca caatgaaagg gaagaatcct 240

gtaacccttg atcacatcag tgtgagagga aacaacattc ggtactacat gctacctgat 300

agcttaaacc tggaaacgtt gctggttgag gataccccca gggtcaagtc taagaagcca 360

actacaggga agcctatggg tcgggg 386

<210> 9238
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d08b1

<400> 9238

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agagaataac tgttctagca gagttataac tactacacgc attattgaag ttgcacggtc 120

atgttgtatg ggtcaagatg accgcatgta tgaaatgcaa ccctagagtg attttaattg 180

taaaagattg ttcttgagaa caatttttgg gtccaagga 219

<210> 9239
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d09b1

<400> 9239

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tgtttccttg ttttgagaat attggttggt taaattgtgt tgtagttcct gattacagtg 180

aggaaagaag aaaaagggtg gcatcccctt gcccccgatg ttgtaatgta gaaaaagaat 240

gacttgtcag taacaatgtg aagtattttt 270

<210> 9240
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d10b1

<400> 9240

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tccgtggcat ggttcaaaca gcccttgcgt ggtgaactcc accccgccaa gccccgggcg 120

tcaaatggtt cctgacccgg catggctggc cggcatccag atctcgtcaa cgagcccttc 180

atcgcccaca ttcagtctca tgtcctccaa cccattcagc gtcttcaaag aagccatccc 240

tggcggcggt tcatcaagga tgtgcacgcc ggggcagagc ggcacgtgct cgccggtgat 300

ccctggcatg gcgcggcacc cggacgttca catgatggac gtggtctccg acgagttcgc 360

gtttggaagc agc 373

<210> 9241
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d11b1

<400> 9241

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ccggcggcgg cggcggagca ggcgatcgga gatggtgcgg aaggccaagg tcgagttcga 120

cgagaggccg tcggatgact tcgacccgaa gaacccgtac ggggacccgg tggcgatgct 180

ggagtacagg gagcacctgg tgcgggagaa gtggatccag atcgagaccg ccaagatcat 240

ccgcgaccgc cttcgctggt gctaccggat cgagggcgtc aaccaccacc agaagtg 297

<210> 9242
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065d12b1

<400> 9242

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ggccgccgga tgacttcgac ccgaagaacc cgtacgggga cccggtggcg atgctggagt 180

acagggagca cctggtgcgg gagaagtgga tccagatcga gaccgtcaag atcatccgcg 240

accgcctccg ctggtgctac cggatcgagg gcgtcaacca ccaccagaag tgccgtcacc 300

tcgtcgacca gtacctctag ttcacccgcg gcgtcgggtg gggcaaggac ca 352

<210> 9243
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e05b1

<400> 9243

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cattagcaac catgaagagc accaagctcg cggcgatcct gatcctccag gccgtcctgg 120

tcatggggat cctctcacac gtgaacgccg actatttccc caagtgctgc aacagttgca 180

ggtccttctc gggggtcgac gtctgcgacg acgcccaccc ccagtgcccc aagggctgct 240

cggcctgccg cgtggtgacg cccagccctc acaagacgtt ccggtgcgcc gacatgaaga 300

gcaccgtcga cggcacctgc ggcgggccat gcaaaaagca ctgat 345

<210> 9244
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e06b1

<400> 9244

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atcacggggc atcctgtatc tgcacacgga agccgaccct ccgatattcc atcgcgacat 180

caaggccagc aacatcttac tggactccaa gtttgtagcc aaggttgctg atttcggcct 240

gtcgcggctg gctccgctgc cagacacaga ggggagcgcc cctggccacg tgtccaccgt 300

cgtcaagggc actccaggtt atcttgaccc ggagtatttc ctgacgcaca agctgacgga 360

caagagcgac gtgtacagcc tgggcgtggt gttcctggag ttgcttacag ggat 414

<210> 9245
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e08b1

<400> 9245

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tccgggcgcg gcggagtaca gcctcgacga gccgaccttg gcggagaagc tcgcggccct 180

gagcccgccc gccgaggcgg ccggtggcgc cgccgtggtg ccctccagcg cggactccg 239

<210> 9246
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e09b1

<400> 9246

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ggccggatga ggaatcctga tgagaagccc atatttattg aaacacagca gccagcagca 120

cctgtgcaac aggagcctat cccatcaaaa gcgcccttga aacaagcaaa ggaagctgct 180

gctcctcaag tcgtcgctcc caaagaagag ccccttgcaa aagca 225

<210> 9247
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e10b1

<400> 9247

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ccacctcgga gcagagatgg ggctcacgtt caccaagctg ttcagccgcc tcttcgccaa 180

gaaggagatg aggattctca tggttggtct cgatgcccct ggtaagacca ccatcctgta 240

caagctcaag ctcggagaga tcgtcaccac ca 272

<210> 9248
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065e11b1

<400> 9248

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gtcccctccc cccaggaaac cagccatgaa gggggccaaa tccaagggcg ccgccaaggc 120

cgacgccaag ttggcggtga agagcaaggg ggcggtgaag ccggccgcca aggggaagaa 180

gggcaaggcc ggcaaggacc ccaacaagcc caagagggcg ccatccgcct tcttcgtctt 240

catgggcgag ttccgcgagg agttcaagca gaagaaccc 279

<210> 9249
<211> 255
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189065e12b1

<400> 9249

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aaggttcaga agaacggtac aggcgaacat ttaccttcgt ctcggccgaa gcgtaaggta 120

gcccatccat atccgcagaa ggcctctaaa actgcccctg tagcatccca agctgtttta 180

ccacaacaac ctgctcctgc tgcccctcct acgagggatc aagatggtgt taatgtgtct 240

atggaggcat ctatg 255

<210> 9250
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f03b1

<400> 9250

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tttgcagaag acctgctagg ccaggtacct ggattagatg ctgaggatcc atgggtggtg 120

cccgaggttc cctccccacc aacagcctcg ggtctatgct ggcaagggaa cttgcattac 180

cctgtgtatg acggcgccat gttcgtccct gaagcaccct ccctgcagag ctcccaggac 240

cacttcactg catctgctgg tttcaagcgt tcaaggagag agttttgaat acccgaaaga 300

atatagcgtt ggacatatct g 321

<210> 9251
<211> 411
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189065f04b1

<400> 9251

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gtcatcggtc ccctgttgca gcctacactg aatactagca cagaagcaat attgaagttt 120

ataaatggat tatcttctac atacgccaat ttctgctttg gatggataaa cgttaaagat 180

gttgccctgg cacatatcct tgcatatgaa gttccttcag caaacggaag atattgtatg 240

gttgaaagag tcattcacca ctcggacctt gtcaagatca ttcacgagat gtatcctgaa 300

tttccagtgc cagacaagtg tgcagatgat gcgccgtttg ccccaatcta ccaggtatca 360

aaggacaaga taagaagtct gggcatggag ctgacacccc tggagacgag c 411

<210> 9252
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f05b1

<400> 9252

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cgcctcgtcc acccatacct ctagaagtct agatctaggc ctgacccgta gttttctgat 120

cgtgttcgct tcgatctcgg ggtaagctga gttcggcgtc catgatttgt tcctatcacc 180

cgtttgttat ctgattctca ggtttctcct tctgatcggc gagttggggc ttgcggcgat 240

cttggagcat agacgggagg caagctggat ctgcgcacgg aagcttccga tctgaccggc 300

tggcgtctca gatctgctgc tggtctgatg ctaaacggcg gatctagatg ttccc 355

<210> 9253
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f06b1

<400> 9253

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caaaagtagg agggagagga tgagcaccat ggcgatgtcg gcgctgaacc cggacgcgcc 180

catgttcatc ccggcggcgt tcaagaaggt ggaggactac tcgcccgagt ggtgggagct 240

cgtcaagacc accgcctggt tccgcgacca ctggttccgc cagcaccaac tctacgagga 300

cctcgccgac aacgtggacg tggacgacgt cgccgccctc ctccccgacg actccgtcga 360

cctgctcgac gccgacgacc tcttttactc cccgccgtcg ccccagcccc agcccgactt 420

ctaccactac aaaccagcag ggttcggcgg tgacatggac 460

<210> 9254
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f07b1

<400> 9254

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gttgccggtg ctcatggtgg tggccatggc tacccatctg gtggccacgg gtacccccg 120

cagcagcatg gataccctca gcaaggctac cctcctcagc atggctaccc accgcagcag 180

catggctacc ctccacagca gcatggctac ccccctgctg gctaccctgg ctcatctggt 240

cacagtggta gccatggagg aggaggcatg ggcatgggtg gcatgctggc tggaggagca 300

<210> 9255
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f08b1

<400> 9255

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tccagacggc cagcttctcc ggcctctccc tcggcgactc catctggtcc cccgccgacg 180

ccgccccccg cgcccgcaac gccgacctct tctcccccct cccggcgccc gacaacaaca 240

acgccgtcaa gatgaacggc aacggcctca acgggcccgg ccttatcggg tc 292

<210> 9256
<211> 430

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f09b1

<400> 9256

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aggacgggga tgaggcatgg gcaaggaaag acgctgtggc cttccggagc cagctatgag 120

ggcgagtatg ccggtgggta catatatggt gaaggcacgt acactggaca ggataacatc 180

gtctacaagg gacggtggaa gctgaaccgt aagcatggtc tcggatgcca gacatatcct 240

aatggggaca tgttccaagg ttcttggatt cagggagaaa tacaaggtca cgggaaatac 300

acatgggaaa atggaaacac gtacaccggc aatatgaaaa atggcaagat gtccggaaag 360

ggaacattta cttggaaaaa tggtgattcg tacgaaggca actggttaga tggcatgatg 420

catgggtatg 430

<210> 9257
<211> 116
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065f11b1

<400> 9257

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actttcccct tcctcgtcat ggcaacgaag gcccccgccg tcgcggcgct cctact 116

<210> 9258
<211> 204
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g01b1

<400> 9258

tcgtcctcgc gtccggccgc aacctgccgc aaaggcggcg tttttcctgc ccttgcgacc 60

tgcccaggcc gcagcagagc gccatgtggt cctcccctac cctcgcgcca gacgccgggg 120

ccgccgtgag ggccgccgac gactcgtcgg agaccgacca gctcgactcc atgtccacgg 180

aggacatcgt ccgggccacc cgcc 204

<210> 9259
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g03b1

<400> 9259

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cctggagctt gtgagtctgg atatggacct accagtcatt actaaggcta acctgcttaa 180

tcctctgctg ctctttgtaa acgatgctct aaaaggtatc actgccgggg aatgattgtc 240

gagtgaatct actcgtttca tgtcatgtca ttaggtgcta cagaactttg gagatgaatt 300

atgtctgcta acctacaaac a 321

<210> 9260
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g04b1

<400> 9260

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ggaacatttg gatggacaac atgggctaat attgggcttc agtcagcggc ttgaaatagc 120

catagatgtt gcccatggat tgacttatct gcatctatat gcagagaagc ccattataca 180

ccgggatgtg aagtcatcaa acattctact aactgaaggc ttcagggcaa aagtagccga 240

cttcggattt gcaagaattg gttcaacaga tccaggccag tcagagattc aaactgatgt 300

gaaaggaaca gctggctatg tggatccaga gtatctgcgg acaaactatc tgacagtcaa 360

gagtg 365

<210> 9261
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g06b1

<400> 9261

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cgcggcgatc ctcatcctac aggccgctct ggtcatggga gtcctctcac acgtgaacgc 120

cgactatttg cccaagtgct gaaacaactg caggtccttc tccggggtcg acgtgtgcga 180

cgacgcccac cccaagtgcc ccacgggctg ctcggcgtgc cgagtggtgt caacgagccc 240

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caagaagtac tgatcggctc atgccagcat gatatg 336

<210> 9262
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g08b1

<400> 9262

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aatatgcaag gccgtagagt ttctccctga gttatggaaa ttagcagggt tttcgcttga 180

agccatttct gaatatagga ggtctcttct caataactgg aatcttgatg gagagaccat 240

agctaaaata caaaaggaat ttgctgtttt tcttctgtac agtggctgtg aagcccgccc 300

tccaaatctc cattctcagt tggatggttc atttgtacca cgcaacaata tggaagaggc 360

tacactcctt ttaatgattc tattgagaaa gtttaatctg aggagggttg agcgggatcc 420

cact 424

<210> 9263
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g09b1

<400> 9263

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aggaccagtt tgacctcgtg atcagcgatg tccacatgcc ggacatggat ggtttcaagc 120

tcctcgagct tgtcggtctg gagatggacc tcccagtcat tagtaaggct aacctgctta 180

atcctctgct gctctttgta aacgatgctc taaaaggtat cactgccggg gaatgattgt 240

cgagtgaatc tacttgtttc atttcatgtc atttggtgct ccagaacttt ggagatgaat 300

tatgtctgct aacctacaaa catcgcaaat agttcctcga tgtgctactg ctagttttgt 360

tagggaagat ggaaaatctt tgttcatttg tgtggtt 397

<210> 9264
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g10b1

<400> 9264

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cttcagctat gcgagctacg aggtcatggg catggacgcc tccgccctgg cctacggcga 240

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ctgcaacaac gttgtggagc aggagctccc ctgtggaggc g 401

<210> 9265
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065g12b1

<400> 9265

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acggccagac cacaggccgt agaggccacc atcgcggtga cgccggcgaa cgtgccgttc 180

gtccggtcgt tgctccagcc gcacgagaac ggcagtggca taccggtgaa ggtggcgacg 240

tacccgttcc cggccgtgga cggcctcccc aagggcgtcg agaacctcgg tgcggcagcg 300

cacgccgacg catggcgcat cgacgtggct gcgctgagcg attcattgat g 351

<210> 9266
<211> 165
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189065h01b1

<400> 9266

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aggagtcgga cctggcggag ctccactaca tgcgcgccat catca 165

<210> 9267
<211> 312
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189065h02b1

<400> 9267

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ctgtgatgtt cctgggtttg aaaacactag gatgaagctg ctgagacatg tttcctttgt 120

tgattgcccg ggctcacgac attctcatgg ctacaatgct taatggagca gctatcatgg 180

atggagcctt gcttttgata gcagcaaatg aaagctgccc acaaccccag acatctgagc 240

atcttgcagc tgctgagatc atgcgtctcc aacatctcat aattttacag aataagattg 300

atcttatcca gg 312

<210> 9268
<211> 510
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065h05b1

<400> 9268

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ggacaacacg aggcttgcca ttgctgcgat tggcaagctc atgtttgccc agttctcgga 120

gctagtaaac gacttctaca acaatggctt gccctccaac ctctctggtg gccgcaatcc 180

aagtcttgac tatggcttca agggtgccga gatcgcaatg gcgtcatact gctcggagct 240

ccaattcttg ggcaaccctg tgaccaacca tgtccagagt gcggaacagc acaaccaaga 300

tgttaactcc ctcggattaa tctcagcccg taagactgcc gaggccatcg acattctgaa 360

gctcatgtcc tctacatttt tggttgcgct gtgccaagcc atcgacctgc gccacctcga 420

agaaaatgtc aagaatgccg tcaagaattg tgtcacaaga gtggctagga agaccctgtt 480

cacacatgac atgggtggcc ttcacaacgc 510

<210> 9269
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065h06b1

<400> 9269

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gggttgctga ttcagcgttt ggagcagcta tgaaggcagg tttcctagca atgaagccca 180

ctggtggaaa gttgcttgtg tttcagtcgg tgctgccatc agttgggact ggttcattat 240

ctgcaaggga aactgaaggt agatcaaata tttcgagtgg agataaggaa gcacataagc 300

tcctgcagcc tgttgataag acactcaaaa caatggcact agaatttgct gagtatcaag 360

tttgtgtaga tgtgttcctt accacacagt catacacaga tgttg 405

<210> 9270
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065h09b1

<400> 9270

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cggagccgtc ggtcaagccg atctggtccc gcgacgccat ccccaacccg cccaagccgc 120

cgctcggccc gccgccgtcc ttcacggcct tcaacttcgt caagtccacc gtcgagatct 180

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ccaccttcga cgtggtgacc gccatcatct tcaagtgcc 279

<210> 9271
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189065h10b1

<400> 9271

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ggaatcctac accggcgaga aagaagctac gagcagagag agatggaggc cgtgcatgag 120

ggcaatggag gagggagcgg tctggtggtg acggagctga gccacagtaa ggagctggtg 180

aagcagctgg acgtgcacct ggggg 205

<210> 9272
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a02b1

<400> 9272

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gctccggcca tggcggcgac gatccagtcc gtgaaggccc gccagatctt cgacagccgc 120

ggcaacccca ccgtcgaggt tgatgtgtgc tgctcagatg gaacctttgc cagggccgcc 180

gttcccagcg gtgcatcgac tggtgtctat gaagctttgg agctgaggga cggtggatct 240

gactacttgg gcaagggtgt ttccaaggct gttaacaatg tgaactccat tattgcaccc 300

gctttggtcg gcaaggaccc taccgctcaa actgagctcg acaactttat ggttcagcag 360

cttgatggaa c 371

<210> 9273
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a03b1

<400> 9273

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gcggcagttc cactccctcg ccatgggcaa gattaagatc ggaatcaacg gttccggacg 120

gatcgggagg ctcgtcgcca gggtagccct ccagagcgac gatgtctagc tcgtggccgt 180

caacgacccc ttcatcacca ccgagtacat gacctacatg ttcaagtacg acaccgttca 240

cggccactgg aagcacagtg acatcaagct caaggacgac aagactctgc tctttggcga 300

gaagccagtt accgtcttca gcgtcaggaa ccctgaggag atccc 345

<210> 9274
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a05b1

<400> 9274

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ttccctcatg ttgagaggtc actctctgga ccatggttaa ccagcctaac ttcaagaggg 120

tcattggtga tttcaagcag gcagaggttg accctcctgt tcagaagaag gctgctcctg 180

ctaaaccaaa ggagg 195

<210> 9275
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a06b1

<400> 9275

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gagaggagcc gccacccaac ccaacccaca caaccaagga gc 162

<210> 9276
<211> 371

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a09b1

<400> 9276

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gaactggccc agtggcttct aggatgcaca cgcaggcatc agctcagcca aaagcagaac 120

taccagttcc caaggttgct atacctcctc aggcagcaaa atctcctgct aaagttgatg 180

tgacacccgc aaaagttcat cagtcatcgg ttgcaccccc tcctaaagtc gactatgcca 240

ttgacctctt taacatgtta tggatggacg gaacaactga gaaagaacca gtgtcatctt 300

ccaatgatga taatgcttgg gatggcttcc agtctgcaga accagcacct aactccgaga 360

aaaaggatac t 371

<210> 9277
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067a12b1

<400> 9277

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atccgagccc caagccctcg ccgtcgggag gcgggaagtg gtgcgtcgcc aaggacggcg 120

ccaacgggac ggacctgcag aacaacatca actatgcctg cggcttcgta gactgcaagc 180

ccatacagag cggcggcgcg tgcttcagcc ccaacagctt gcagtctcat gcctcgcacg 240

tgatgaacgc ctactaccag gccaacggcc acaccgactt ggcgtgcgac tctaagggca 300

ccggcgtcgt cacctccagc gaccccag 328

<210> 9278
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b01b1

<400> 9278

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taagacattc aagaaaccaa ggcgtcctta tgagaaggag cgtcttgatg cagaactgaa 120

gctggttggt gagtatggat tgaggtgcaa gcgtgagctc tggagggttc agtatgcata 180

gagcaggatc cgtaatgctg caagacactt gctcacactg gatgagaaga atcc 234

<210> 9279
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b03b1

<400> 9279

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atgtttatgt caaaggttga aggattgaca tcagtgtctt cattggaaag aagatctgca 120

tcgaagcact atatcttctt attctttaat gtattcctgg caagcatcat tgctggatct 180

gctttggagc agctacaaac ctatcttcac cagtcagcaa atcaaatacc aaggacaatt 240

ggtgtagcaa ttgcaatgaa ggcaaccttt ttcataacgt atgtaat 287

<210> 9280
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b04b1

<400> 9280

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taggaacgcc cactagcact ggatgcgaga caggggtaca tgattcggtt cgacggtcac 180

ttcgagttcg aggacccgtc gaccgtcgag ccgacgccgc ctccgttcgc ggtcagggcg 240

atctcgtctg agcaggagca tacgcccatg gtcgccgggc tgctgcacgt gatctcaggg 300

tacacc 306

<210> 9281
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b07b1

<400> 9281

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accccgacga ggacctcgcc gacgccgttg acgccctcac cctacagggc gccaacctct 180

ccgggatcat caggcgcgta cctggggacg ccgcggcgga ggaggtgaat ccggtgatgc 240

ggttgctgga cgagctgaag gcctcctcca gcggccggtc ggcggaggat cttgacaggc 300

tggtctcttt gctcgacgag ttgctcgagc tgtgc 335

<210> 9282
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b10b1

<400> 9282

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tcgtccacca ctgctgcaag tattatgcca agagctgatc ctcaagcacg taaggcatcc 120

cttgcccgat tcttggagaa aaggaaagaa agagtgacga ctacggcgcc atatccatca 180

gccaagagcc cgatggagag cagcgacacg gtcggaagcg ccaacgacaa caacagcaag 240

tcctcgtcgt gcacggagat cgccttctca agcaaccatg aagagtcgct gcgcctaggc 300

cggcccagga acatcagctt tagtggggag tcctcgagta caaaactaca catctgatcc 360

gatatgatct tccggtgtcc atagatacaa ccatgatggc tgatgcaaa 409

<210> 9283
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b11b1

<400> 9283

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ggccggggcg gcagcagggc cactcggtcg gggcgcgtgg g 161

<210> 9284
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067b12b1

<400> 9284

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catccatacc tacctctaga gtttttctct tctgttctgt cctgttctat acaccaagga 120

gaaggaaaat aacgagccgc cattgccgca cctctgcgct tctggacgag gaggccggtg 180

caacgcaatg cggcatctta ctactactac gtactttata gtcactacaa aacacagtta 240

ctgtgctggt aacaggaagg aagggtttga gtgttgtgtc tccccggaac ggcgggaggt 300

agtagccgta gttattactc ttgtggtagc tagcggtact aagttttgca actttgttgt 360

tcttattagg tgtgtttgat atggtagatg tacatatatg tatactatca cagatg 416

<210> 9285
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c01b1

<400> 9285

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gggcgcgagc tccattcact gcgcgcactg gcggagggcg actctcgtcg aacggcacgg 120

cgccgtcgtg cacggggccg ccggcttcgt caggagcgtg ttcacgaaca ttggccggac 180

gaggccgcac ccggagtacc cgccggtgca cggcaacaag cgcgctctct tggtcg 236

<210> 9286
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c02b1

<400> 9286

ttgtcggcta cacttccctg acagacattg ttaggccttg tcagggaagc tagctaggta 60

agaaaaacca tggcc 75

<210> 9287
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c04b1

<400> 9287

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tgcaaaagat tcagtcgtta actccaaata taggagtctg atacagtggg atgggtacca 180

gattttcaag gtcttgtcaa aaaaagtcag aagcaggcac atcagtatta tcggttgtgc 240

aaggaaacca tacctgttac ccagcttgtc cgagagact 279

<210> 9288
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c05b1

<400> 9288

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gttccacaca actgccaggg cctgctgctg aaacctgctt gttattcttc ttcattcttc 120

gccgtggcct agcatgctgt ggatctatcc aacgggggga gatcgaccag atgactggct 180

gcaacggcaa cggcaacggc aacttgcgcg tattcaccat gggacagcag acggtcactg 240

agaagaagct cggaggaatt g 261

<210> 9289
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c06b1

<400> 9289

cccacgcgtc cgtgcccccc gagccgcacg ccccaaccac ccctaaccct agatcccgcc 60

acactcaccc cgcacacgca ctctcactct cccactccgc ctgcttgtca gttgtcacta 120

tggaggccgg gagcagcaag gccaggctgg cggtggcgtg cgcgatcggc ggaatcttgc 180

tgggcgcggc cgacgtggcg ctccacgttg ccgggcccgt ggccgtcccg ggcctgcccc 240

cgctcgacgc gctgcgccgc cggttccgcc gtcggcgccg acccgtgcgc gtctacatgg 300

acggctgctt cgacatgacg cactacggcc actgcaacgc gct 343

<210> 9290
<211> 69
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c08b1

<400> 9290

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aaaaccatg 69

<210> 9291
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c10b1

<400> 9291

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gacgtaccag gtgttgggcc acctcaagac gtgcctcatc ctctccttcg gctacgttct 180

cctcaaagac cccttcacgc tccgcaacct caccggcata ctgatcgcca tcttcggcat 240

gggcctctac tgcttcttct ccgtctccga gagcaggaag aagaccgagg gcgccacgtt 300

gcccgtcaac acccagatga gcgagaagga ttcggcaccg ctccttggca cgaaaacctc 360

gccgtggcag gagagcaacg gggtggagaa ctttgacgac gtgccacgga c 411

<210> 9292
<211> 297

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c11b1

<400> 9292

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tcgtgttgtt tgctgtggat atatccgacg gggggagatc gaccagatga ctggctgcca 180

cggcaacggc aacggcaact cgtccgtatc caccatggga cagcagacgg tcactgagaa 240

gaagttcgga ggaatcgcac caaagaagcc tctgatttca aaggaccatg agcgcgc 297

<210> 9293
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067c12b1

<400> 9293

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agcgagtaag tgcactagag aaggcattga ctggcttcgc ggagaggcag actgatgttg 180

ttgttaatcc aacagtgggg acctgcttcg attcgattac agaggcatat gatttttata 240

acctctattc ctgggaaatg gggttcggta taaggtacgg caagagcagg cggaatgcaa 300

agggtggtaa atgcatgcac gaaattactt gtgttaattc gggtaaacca aatatgggcg 360

ggaaatcgcg catgtgcgag tgcacagcac taattaggct actcagaact gatgacaacg 420

gat 423

<210> 9294
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d01b1

<400> 9294

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gccggagagg aatcgcgacg agggcttcct cctatcaggt tcgtggctcg gcgaccctct 120

gttcccgtta aatcaaagcc atggagcaca aggagaccgg ctgccagtct cgggagggcc 180

ccatcctttg cgtcaataat tgtggcttct tcggcagcgc ggcgaccatg aacatgtgct 240

ccaagtgcca cacggagatg gcgacgaagc aggagcaggc aaagctggcc gcctcctctt 300

tcgacagcat cgtcaacggt ggcgatgccg cgaaagaaca tcttgctgct ggcagcacgg 360

cggcggcagt tgctcacgtt gaggcgaaga cgcttattac cgcacagcct gctgatatcg 420

ctggtc 426

<210> 9295
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d02b1

<400> 9295

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actatgaaat ctcagactga ggaaaagtct cgcctatacg agagtacatt agaggaacgt 180

gttaacacat gtgatgacat ccttcaacaa gtggatggga cacagaactt atttgaagaa 240

ctacaatact tgcactcaag tgttgccata aagacacaaa ctttgcatga tgc 293

<210> 9296
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d03b1

<400> 9296

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ctggcggccg tggtgggcgc catcgtggtg tccaagatcc ggggccgcaa gctgaggctg 180

ccgccgggcc ccttcccggt ccccatcttc ggcaactggc tgcaggtcgg cgacgacctg 240

aaccaccgca acctggcggc gatggcgcgc aagttcggcg aggtcttcct cctccgcatg 300

ggccagcgca actggtggtg gtctcctcgc cgccgctggc g 341

<210> 9297
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d05b1

<400> 9297

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gacttgattc accttagagc catgtctgaa ttgaggtacc ttcagattga gagacttgat 120

agggctactt ccggagcttc tgcactcgca aacaagccat tcctgaaggt tctacacctg 180

tctgagcaag cagcattaat tgaagaagaa gagaatgagg aagaacagga gaaccaagag 240

ggcgcagaga aagaagaaaa ggacaaacat gaagtaaaaa gtgctcagtg gattagagat 300

gattcagcta aagtgagtga aaagatatgg aatgagctca ccccacccaa tagcgttgag 360

aagctggtaa tcaagaacta ccaaggtcga aagtttccaa actggat 407

<210> 9298
<211> 222
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d06b1

<400> 9298

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attttccgtg tggctcgttc acgggctgga ggagccccgt gtggcggcta ccggcgtggc 180

gtgactccgg cgcgcagcgg ttcatccagt ggaggctggg ga 222

<210> 9299
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d07b1

<400> 9299

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gccaagaaga agggcgtcga cccgtcacac atctcagctg atgggactta tgctttgaag 180

aaagttttta ttcagagcga ccaacacttg gagctagtac ggcaggagat ccgagtgtcc 240

tctcaattca gccatccaaa tttacttcca cttcttgaaa atgccattat tgcagtcaag 300

ggtgtgcaag atgggtcgca gaaccatgag gcttacttgt tgttcccagt tcacttagat 360

ggaaccttgc aggatgtaac taaatccatg caagaaaaga aggaatacct ttcaacaatc 420

accattctcc agata 435

<210> 9300
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d08b1

<400> 9300

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tggacgcagc agaagagacg agattactgc tccaagagga tggggatcag gatgcaagtc 120

tttacacagg tgatgggtcc gttgacatca aaggccgtcc cgcaacaagg cgcgacacag 180

gcaattggcg agcatgcgtc ttcatcctag gaaatgagtg ttgtgagcgt ctggcctact 240

atggaattgc aaaaaaccta gtcacttatc tcaaaataaa gcttcatcaa ggcaatcttg 300

aagctgcaag aaatgttacc acttggcaag ggacatgcta tctgtc 346

<210> 9301
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d09b1

<400> 9301

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cgcgtcgaac ggcacggcgc cgtcgtgcac ggggccgtcg gcttcgtcag gagcgtgttc 180

acgaacattg gccgggcgag gccgcacccg gggtacccgc cggtgcacgg caacaagcgc 240

gctctcttgg tcggcatcaa ctacaccgga acggcggccg agctgcccgg ccccatcaac 300

gatgtcaagt gcatgagctt cctgctcacc ctcaagtacg gctttccagg cgattgcatc 360

cttgtcctta ccgatgaaga gcgcgacccc taca 394

<210> 9302
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d10b1

<400> 9302

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cagctagata agagaaaaaa agagagagaa gaactcgccg ggagggctcg agatctgtgt 120

tcggagaggg gaattcttga ggtcggaatc ggaacaagcg ggcgcgctcg ggatcggggt 180

taccatacaa tttttgccag gaacctttag tgaatgtgct aatggagtca aagggtggca 240

aaaagtctag cagtagtagt tccctgatgt acgaagctcc cctcggctac ag 292

<210> 9303
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d11b1

<400> 9303

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tccaccgcgc tattgccccct cagcccatcc accccagcca ctccctcccg gccttctcgg 180

ccgcttctct ccccgcggca gccgacgtct gccctccgcc cccgggcccc caccattcca 240

actcgctctc ggagttcgcc gcttccgcat cccaatcccg cgtccaccgc cctcccactc 300

gcgccgcggt gcgcgcggac cgcccgcccc cgctggagct gcgcccgagg ccatcgaggg 360

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cctccactca cctctgggcg 440

<210> 9304
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067d12b1

<400> 9304

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tgcaaaagat tcagtcgtta actccaaata ttggagttgt ctacagtggg atgggtccag 180

attttcgtgt tcttgtcaga aaaagtcgga agcaggcaca gcagtattat cggttgtaca 240

aggaaaccat ccctgttacc cagcttgtcc gagagactgc tgctgttatg caggagttca 300

ctcaatctgg tggcgtaaga ccatttggtg tatcactgtt gattgctggc tatgatgaca 360

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ctatgggaaa aaatgtgtca aatg 444

<210> 9305
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e01b1

<400> 9305

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ctttcaagta cgcctgggtg cttgacaagc tgaaggccga gcgtgagagg ggtatcacca 180

ttgatattgc cctgtggaag ttcgagacca ccaagtacta ctgcaccgtc attgatgccc 240

ctggtcaccg tgacttcatc aagaacatga ttactggtac ctcccaggct gactgtgctg 300

tgctcatcat tgactccacc actggtggtt ctgaggctgg tatctccaag gatggccaga 360

cccgtgagca cgccctcctt gctttcaccc ttggagtgaa gcagatgatc t 411

<210> 9306
<211> 127

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e02b1

<400> 9306

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cggaccggcg agcgccaaag cgccagccag caacggaacg caaggaattg caatgggaga 120

tgggccc 127

<210> 9307
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e03b1

<400> 9307

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gagatcgggg tcgggacagg gatctagaca aggatcggga cagggacaag gatcgggatc 120

gccaccaaag gcatcaccgt gacaaaaggg agcaccgaga ccgtcctgat gatcacgatc 180

gtcacagaag ccgtgattct gaaaggagaa gggaccgcga gagagatgga catcgcaggc 240

atcgctctcg ttcacggtct cgttcaaggg gcagggatga tcacagatct cgatctcatt 300

caaaaagcaa gcgagtcagt ggattcgacc tgggaccaac agcacaatcc gtacttcctc 360

agttccctac cattccaacc ccaagtcagt tacctggctc ttctattcct ggaatgttcc 420

cgaacatgct ccctttt 437

<210> 9308
<211> 518
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e04b1

<400> 9308

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ggtatggggg gtgcgcgtcg tatgatcttg gcgatgaagg gatggcgatt cctgcgagat 180

aggcagtgca aatatagtcc ctgatgctgc ggaccaggat ccagacgaag atggcatggg 240

agtgtcaagt gcaaaccaat cttcttggat caggagggtc aaagttggtg tgtcacagcc 300

aaaaactatc ttaacagctc gcgcgatgga aattgcaata ggcgacgtca tgccgcggac 360

tgcacatcgg tggtgcaaat ggcacgtcct gaagaaggca aaagagagcc ttggggcact 420

gctttgcaag ggaagtgaat tcaagccaga attcacatgc tagtccacca catagttagt 480

attgatgaat ttgagaaggg ctgggcatgc atgattga 518

<210> 9309
<211> 56
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e05b1

<400> 9309

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<210> 9310
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e06b1

<400> 9310

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ccccccctcga gcgagcagtc ggtcacttgg tggaagatcc gtcccccgcc ggcaaccgaa 180

tcgggaagag gaggaggggg ccgatcgaag ctccgggcga gagtcgccgg ccatggttaa 240

ggagacgggc tactacgacg tgctcggcgt gatccccaca gccagcgagt gcgagatcaa 300

gaaggcctat tacatcaagg cgaggcaggt ccacccagac aagaacccta atgacccccа 360

ggccgcaggg aagttccagg aactggggga ggcataccaa gtgcttagtg accccgctca 420

gcgcccagct tatgatgcac atgggaaatc tggc 454

<210> 9311
<211> 453

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e08b1

<400> 9311

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ggtggtagag ttaaggagtg gatatgtatt aactttgctc ggaatgtcca agatagtgct 120

gccaggagtt tctgtcgtca gctggctgac atgtgcgaaa tatctggaat ggacttctca 180

aaggatcctc tgcttcctcc tttatgtacg agagctgagc atgtagaaag agcactcagg 240

gcacactatc gagatgctat gaatattctg aaaccactgg gcagggagct tgacctgctc 300

attgcaattt tgcctgacaa taatggtcct ctttatggta atctcaaaag aatatgcgag 360

acagatcttg gattggtctc tcaatgctgt ctcacgaaac atgtttttaa gacgacacag 420

cagtatcttg caaacgtcgc ccttaaaatc aat 453

<210> 9312
<211> 118
<212> DNA
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<223> Clone ID: uC-tsrow189067e09b1

<400> 9312

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cgcggaggtc aacgcgtggc tggcttccct ggcagcggag ggcggcggag tgggaggg 118

<210> 9313
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067e10b1

<400> 9313

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gattactctc gaagcggata atctgttatg gttaaccgag attttggctg gcaggaatgc 120

tgcagaagaa tttgcaggct tgtggtctaa ccaacgtgag ctggctgggc ttcattccaa 180

gctaccgacc aagtcgcgcc accttgtgag ctgcgtcact gccaggctct ttgtggcgat 240

tgggaaaggc gaaatgctcc cgtccaagga caccaggcag ctcctcctgg atgtctggct 300

gcagcctctc atggatgact acaactggct gcagcacggt tgcaggtcgt tcgaccggac 360

cgtcgtcgag gaagggatcg ggtcgaccat cctgacg 397

<210> 9314
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f01b1

<400> 9314

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ctgctggaga tattaaccgg gagagtaccc ttccctgagc aagacctgcc acttgaacag 120

ttggcgtcca tctattttga aggcaagatg cctcttgcag agctgatgga ctcgagcctg 180

ggctccttcc ctgaagaaac cgcgcgcgcg ttgtgcgacg tcgcgaggtc ctgcatcgac 240

ccggacccga g 251

<210> 9315
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f02b1

<400> 9315

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ttcaacatct actggactag ggtcagtttg agccttcacg agctcgacat cggagccagc 180

actctacatg cttatcgacg cggtggccat cgaggtcaaa cttgtccgga aatatttgtc 240

ggagtaatgg atgtatctat acgcatgtta gttttagaca catccatttt tatgcatttc 300

tt 302

<210> 9316
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f03b1

<400> 9316

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ggtcgcctcc gttccgtgga ctgcaccggg cccgccgtcc gtccgtccgt ccctgaaagc 180

aacgcctgat cggattcacg agggggtcga ctgccgctgc tcctcgacgg ccaccaccgt 240

cacctgccgc aggcaaggga atcttcaaag gagaaatctg aagagcacac aaacttggtc 300

ttctgagctg aactcctggc cgacgaagca gaagccatgg ggtcagggga ctggttcaag 360

accatcatca gcaagaagaa gtcgaaacgg ggcaagtcaa agcacgc 407

<210> 9317
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f04b1

<400> 9317

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acgctcgtcg aatactcctc ccctaccgcc tcaagatgca gatctctgcg aagaccctga 120

ctggcacgac catcaccgta gaggttgagc gctcccacac catagacaac gtgaaggcca 180

agatccagga caaggagggc attccccccgg accagcagcg tctcatgttc gctggcaagc 240

agctggagga tggccgcacc cttgctgact acaacatcca gaaggagtcc accctccacc 300

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tcactcttga ggtggagagc tccgacacca 390

<210> 9318
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f05b1

<400> 9318

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ccccggtcag tgctcccgcg cgagctcatc ggcgagacgc ccggcggcga ggaggtgaag 180

gccgtgtccg gcatgcacca gcgcaaggcc gagatggccc gccgcgccga cgccttcgtg 240

gcgctccccg gcggctacgg cacgctggag gagctgctgg aggtcatcac ctgggcgcag 300

ctcggcatcc acgagaagcc cgtgggcctg ctgaacgtgg aggggtacta cgactcgctg 360

ctggacttca tcgacgggcg gtggacgagg ggttcgtgtc gccggcggca aggcgca 417

<210> 9319
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f06b1

<400> 9319

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acaattgtga cagtgcacct cttacactct tatgtccact agccatccgt agcatctaaa 180

ctgtcgatat ctttgtgtag caaaagttag aaaggttatt cttaagaagc atggttagga 240

tcggagtaca gccatggcgc tgcttgagtc ttgcctggtg tatgctaaac catactacca 300

tacatggctc acaggaaaca tatagttcgc taggtgccgg atgtatgttg aacccacggc 360

gtcgctcctc cttgaatctt tacctgatga aatgtaaata taatgagaca gaagtaatca 420

aatctagttg tactatgaac t 441

<210> 9320
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f07b1

<400> 9320

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ctctttaatc atacaataca attgctcaga actattcagg attttacagc tagacccgac 180

atagctgatg attgctttct gcttgcgtca agatgtattc gctactgtgc tgatctattt 240

gtacctacag agatttttcc aagattggtt gattgtgcaa tggctggtgt aactatacaa 300

cataggga 308

<210> 9321
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f08b1

<400> 9321

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ctttcgaaca tcaaggaaag ggcgagccaa tccgtatata cgatggacgg cgatctctcc 180

cggaggctca tcaagatccc aatttaacta cggcagctct cctggatgaa acagaagctc 240

ttaaatctgc aaacccgaag ggtgaaattc attaccttcg tgattctgat gatgagcgac 300

ctgactcgga tgaagacccc gatgatgatt tggatattta gccacaatat gagctctgtt 360

tatcttagtg ggcagc 376

<210> 9322
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f09b1

<400> 9322

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cggtaatcac aacatcatca tgtattcccc gcaaaaaaaa ataaaaaatc atgtattaat 120

gctggaatct cacaggggggt ggtcttttgg tcctgaataa gttattctgc ccaatcttga 180

caatttcttc ttgtatttat gtttcgacgt catgacttct tccccagatc cattgtatac 240

tactaatact actccctagt gcccatgttg aaaagtaaat gacgtttctg gcattattga 300

tatgttgcca aacacaaagt tttagccaat atttcctttt gcgagatggt actttgcttg 360

t 361

<210> 9323
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f10b1

<400> 9323

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gtgatcctgg cctcggtcgc cttcgtcgcg caggatgcgc tcgccgccag agcaggtgct 120

ttgaacaacg tgaagggata cacgggtacc tacacaggca acccaggcgg tggttacggc 180

ggtggttatg ggaacgggaa gtatccatga taggccgtat atgatgatac ttggagcacg 240

gaaatacaaa tacgtacggc agaccatgaa taaattatca cccgttactg gtatatcgta 300

ctctcttatc cataataagt gtcgcagttt tgtacgaagg tcaattcact cttaatacaa 360

aattgcgaca cttattttag atcagaggga atacgtaaat catagtgaat gt 412

<210> 9324
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f11b1

<400> 9324

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gacaatgatc cctccaaact gctcaagagc gcctcctaga tgatgagcct aaggaaatac 180

gacggggcgc tcggtctgct caacgctgtc ctcgagctcg accccaacca ttccgaagct 240

tacaggcagc gcgcaacagt gcttcgtcac agatgcagac acaaggaagc tgagagtgac 300

tataacaaat tactggagct caagcccggg actgcttcag tggagaagga actagctcag 360

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tcaaaagtcc tggagtacgt caacaa 446

<210> 9325
<211> 120

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067f12b1

<400> 9325

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ttcttctctg ccgatgggac gagctggtgg ccgcatggat tatgaagcgg gcaaaagagc 120

<210> 9326
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g02b1

<400> 9326

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gatccgacct ctcttccatc agcgacagcg accccgcaac ccccggctcc atcgaccatc 180

gggcgaggga atggaggagg agggcgcgag gaaggcggtg ctcttccggc tgttcggcgt 240

cgaggtccgc ggcgcggagg aggaggatga cgcggagccc atggagctca agaagagcac 300

cagcatgccc aacctcgcct gcgcc 325

<210> 9327
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g04b1

<400> 9327

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gcgttataca ccgagatctg aaaccatcga atatattgat aaatcatagg ggtgaagtaa 120

agatatcaga ttttggtgtt agtgccatca tttctagttc ttctgcacag cgagatacat 180

ttactggcac atttaactac atggcgcctg aaagaatcag tgggcagaaa catggtcatc 240

tgagtgatat ctggagcttg ggcctagtta tgctggaatg tgccactggc aatttcccat 300

atcctcctcg tgaaagcttt tatgaacttc ttgaagctgt tgtcgaccaa c 351

<210> 9328
<211> 310
<212> DNA
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<223> Clone ID: uC-tsrow189067g05b1

<400> 9328

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atctacggcg agaagttcgc cgacgagaag ttcgtccaca agcacaccaa gcccgggatc 120

ctctccatgg ccaacgccgg gcccaacacc aacggctccc agttcttcat ctgcaccgtc 180

ccctgcaatt ggctcgacgg caagcacgtg gtcttcggcg aggtcgccga gggcatggac 240

gtcgtcaaga acatcgagaa ggtgggctcc cgcagcggca cctgctccaa gcaggtcgtc 300

atcgccgact 310

<210> 9329
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g06b1

<400> 9329

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gtggcggcgg cgggcgcggg caggcgttac gcgctgttgc tggcggtgaa cgactcggac 180

tacgccagga aggcgcacgg cgggtaccgg aacgtgttct tccgcgccct ccgctccggc 240

gaacccgacg aggcgtggga ctgctaccgc gtaatcgacg gcgagttccc ggcagcagag 300

gatctgggcc tgtacgacgg cttcgtggtg agcggcagcc cgcacgatgc ccacggcgac 360

ggcgccccgt gctgggtcc 379

<210> 9330
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g07b1

<400> 9330

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cctttagtga atgtgctaat ggagtcaaag ggtggcaaaa agtctagcag tagtagttcc 240

ctgatgtacg aagctcccct cggctacagc attgaagacg ttcgacctgc tggaggcgcc 300

aagaagttct ctgctgcata ctcgaactgc gcgaagaagc catcctgata tcgtttttgg 360

catccccttc ccgtagttta ggatttttat gcaattttat tctgactctt ttctc 415

<210> 9331
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g08b1

<400> 9331

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ggaagtggaa ttttatctgt ggagaaaaag agctgcttga gtgaccatga tgggaggtgg 180

gctgctgatg gatcagggca tggccttctc cggcgtgcac aacttcgtgg atctgctcca 240

gcagaacggc gccgacaaga acctcggctt cggctacctt atgccgcaga ctttctccgg 300

cgaccagtgc gtcatgggcg agggctacct cgtggacccg ccgact 346

<210> 9332
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g09b1

<400> 9332

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aagaaacgtc tgttcctgag gtttacaagt ccccttgttc aaatatgaaa atgatttatt 180

tgcaaacttc aatgcaaaat ggttagtcag tctcgaacaa ctgcatgtat atatactttc 240

tagctatgct attgatgcca catccagatt acacttttct tctctttttc ttttcttggg 300

agtagaaagg tctcactcaa ggatcgagca aatgcagctc taatgcttgt gtcgtctaat 360

tcaaagcatg atgactctaa atgttcatg 389

<210> 9333
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g10b1

<400> 9333

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aaccagtact tccttggaag ttcctactgc tggaagcccg aaggcatcaa gcctgaagaa 120

attggcgctc tgcatgtgat tcctaaggag ctttcgttga agattgtcag taagattgaa 180

gctggcgaac ggtttactgt ttatgttgtg gtgccaatgt ggcctgaggg tgttcc 236

<210> 9334
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g11b1

<400> 9334

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cacatgttct taatgtttgt gctaagcccg gaca 94

<210> 9335
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067g12b1

<400> 9335

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cctctcacac gtgaacgccg actatttccc caagtgctgc aacaactgca ggtccttctc 120

ggggggtcgac gtctgcgacg acgcccaccc ccagtgcccc aagggctgct cggcctgccg 180

cgtggtgacg ccgagccctc acaagacgtt ccggtgcgcc gacatgaata gcaccgtcga 240

tggcacctgc ggcgggccat gcaagaagca ctgatccgtt cagggcttca ggctcagacg 300

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tgtgggtcgt gctatacggc caacaatatg tatact 396

<210> 9336
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h02b1

<400> 9336

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ccgagaatgt gaaggagttg atcaacccag aagtgacagt gacgatgact gagaacactc 120

ctgatgaccc tcgccagagg aagcctgaca tcaccaaggc caaggaggtt ctcgactggg 180

agcccaaggt cgtcctgcgc gacggcttgg tgctcatgga ggacgatttc agggagcgtt 240

tggcagtgcc caagaagacc aaggcctaat tgccctccct acgtttggcg tacaacatga 300

ccaattagcc agagcatact catagttggg tgggttcgtc aatattcgtt gctgcgtttc 360

gttacggaat ttgagttcca ataaaccaat tacacc 396

<210> 9337
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h03b1

<400> 9337

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gctccccctc tccatcgtgt atgttcctca cccgcagcta ttgctgctcg aggtcggcgc 120

caagagcggc catccgctca tctgctgtgg cggcggcccg gcagacgctc tcctccggat 180

gggacctgtc cgggctgtcg ggagcgcgac cggcagctgg aaaagcccgt ctcgaggagt 240

tggacaccag caacatgctt ctccgccagc gaatcatctt tctcggctcc ccggtggatg 300

atttgactgc ggatcttatc accagtcaac tcttactgtt ggatgcaaag gaccacacaa 360

aggatat 367

<210> 9338
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h04b1

<400> 9338

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acagaggaga tgtgggttct tgggtacgtg aagcagcaat ggatgcgcta gaaagatgca 120

cgttcatcct ctgcaagaga gatgctgttg cagtgagagc agcgccagct gctgaggatg 180

agtctgagcc aagcgacatg gatgcaaatg caattagtac cacatgccaa ctatttgatt 240

ctgctattgc acagggtctg gtcgctggca ttgcaaagca ggcagttgag aaaatagata 300

agataagaga aatagcagtc aggactctgc agaggattct gtacaaccaa gaacagtttg 360

tcccgtctat accttacagg aagctgttgg aagaaattat tcctaataat tctga 415

<210> 9339
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h05b1

<400> 9339

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tccctgtaaa cctgagctcc tgcatcaggc tgaacaaaat gggactacac aacaacaaga 180

ttggcggcca catcccagct gagctcggcg aaaagttcat atccctggca gtgatctcgc 240

tgaggaacaa tagtttcaca ggtcccatcc cggggtcaat ggccaatctg tcctatctac 300

gatatcttga tttct 315

<210> 9340
<211> 312

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h06b1

<400> 9340

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tctggctcga tggatgggga tattcgacta tgggacattg ctgcaaggaa gacagtctgc 120

cagttccctg gacaccaggg tgctgtgaga ggtttggcaa catctaccga cggcgatctt 180

ctgatatcct gtggggtcga ttgcactgtt cgactctgga aagatcctat gcgtaagatg 240

atggacacta atgatgctat tggagatgct tcccagccgt cagcagtcta tacatggaag 300

catgcatttt gg 312

<210> 9341
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h07b1

<400> 9341

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ctttctgagg ttgtgccgag atgaaggtcc ctctccctgt gaggagcaag agcttcaaga 120

agagcagggg agcttcatgc agcctccccc tgctgctgct catcggggcc gtccagttct 180

tggtgatcgg caagcctttt ccgtcgctct tgatggatag cagcaggagg agggccttct 240

tcaatctcgc agaggaggag ttcatcccgg agcctcaggt gagctgcgac ttcaacgaca 300

cgagatccga ctactgcgag atggccggcg ccatccgcat ccgcgggagc acgtcggagg 360

tgttcgtcat gacccc 376

<210> 9342
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h08b1

<400> 9342

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accatcggca agcgcttcgc cagcatcaat gttgagaacg ttgaggacaa ccgtcgtgcc 180

ctccgtgagc tcctcttctg cacccctggt gccctccagt acctcagcgg tgtgatcctg 240

tttgaggaga ccctgtacca gagcaccaag ggtggcaagc ccttcgtcga catcctcaag 300

gcgggcaatg tcctccccgg catcaaggtg gacaagggca ccatc 345

<210> 9343
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h09b1

<400> 9343

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ccgccgtccc cgccgccgat ggactcgtgg gctcggggag ggcgtcgctc caggcgccgt 120

ggcagcagcg gcagcgccag ctctggcggc ggcgtcgagt ccgaggagga gtacctggcg 180

ctctccctcc tcatgctgtc ccgcggcgtc cgcggcgagg tcgaggacgg cggcatcgga 240

ggcgtcaagg gcttgggagc ggcgccgacc aaggcgcagg ggtacgggtg ctccgtgtgc 300

ggcaaggtct acgcgtccta ccaagcgct 329

<210> 9344
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h10b1

<400> 9344

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cacgtccgtc agggcgtatg tggcggagtt catcgacacc ctcctcttcg tgtttgccgg 180

cgttgggtcc gccattgcct atgggaaact caccgatgat ggcgcgctcg acccggctgg 240

cct 243

<210> 9345
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h11b1

<400> 9345

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cgacaccatt attttgggta gtcaagtcac atcacattac tcatgtgatt aaactaaacg 120

acgcgctaga cacgttacac tagtgtttga cttggtacag aaatgaaata attgaaaaga 180

tactgttcat agctcatgtc tgacgacctt gcaagcttgc aatatcatct gcttcttcgc 240

ttttcttt 248

<210> 9346
<211> 167
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189067h12b1

<400> 9346

cccacgcgtg cgagtcaggg taactggaga cagggctcaa tgactggaaa aacactttac 60

gtctcgaaga gtctggtgcg ctctttacga tccttgaaaa tcaaagggaa agaatgattt 120

tctcacctag tggtactgat aaccgcagca ggtcttctag gtgaaca 167

<210> 9347
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a03b1

<400> 9347

cctacgcgtt cgcccacgcg tccgttcatg ggcaggactt gttcaattac aagccgggtt 60

aggaaaggag cttctgaagt atagagaatc ggcgcaggtg gctgctgttg aagccatgca 120

ggaagcttca gctgcagaaa gcttgctgag atgtttgagc tcgtacgccg aggtgagctc 180

gacggctgag gagcagaacc cgcagccgac cgttgagcag ttcctcgccc tccacagctc 240

gctctcccgc gccacggtga tcactgacac cctcaccaag tcagcagccc cgccggaatg 300

ctcagcggcc agcgacgccg ggacggtggc ctctgctacc ga 342

<210> 9348
<211> 138
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068a04b1

<400> 9348

ctttcctgtt agcaaggngg gactatcgcc agggtgctta gtgacattcg acaggggtgg 60

gcggacnaca acagagagaa cctcctccag gaagaggagg agcaagtgga agaggcttga 120

gtgccaagca acaaacta 138

<210> 9349
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a05b1

<400> 9349

gttcatattt caagagatac tcatgggtat gttggggctg gtctaactgc acttgggacc 60

gaggctgctc tccaatgcat tcgtgagaag atggatatta ttgatcttga ggacgagaca 120

atagatgctg agatactcaa ctctatggct gtgacaaatg accatttcaa gaccgccctg 180

acgacaagca acccgtctgc tctccgtgaa actgttgttg aagttcccaa tgtttcttgg 240

gaagatattg gtgggcttga gaatgtcaaa agggagttgc aggagactgt tcaataccct 300

gtggagcatc cggagaaatt tgagaagttt ggcatgtctc cttcaagggt gttttgttct 360

a 361

<210> 9350
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a06b1

<400> 9350

gttcatattt taagagatac tcatggatat gttggggctg gtcaaacttc aattgggacc 60

gaggctgctc tccaatgcat tcgtgagaag atggatatta ttgatcttga ggacgagaca 120

atagatgctg agatactcaa ctctatggct gtgacaaatg accatttcaa gaccgccctg 180

acgacaagca acccgtctgc tctccgtgaa actgttgttg aagttcccaa tgtttcttgg 240

gaagatattg gtgggcttga gaatgtcaaa agggagttgc aggagactgt tcaataccct 300

gtggagcatc cggagaaatc tgagaagttt ggcatgtctc ctt 343

<210> 9351
<211> 425
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068a07b1

<400> 9351

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gggcacacaa ccagccgtca agccacgccg ccgctcgccc cagcgatgcc gccaccctcc 120

ctcctgctct tccactgccg cgccccgctc ccgcaccgcc cgctgcggat gagctctccg 180

tcgccgagca ggagggtcgt ctgctccgcc tccaccgccg aggggtacat ctccgcggcg 240

ccgatcctcc ttccagacgg gccatggaag caggtagaag gcggcgtcac ggcggcgaag 300

gggtttaagg ccgcgggcat ctacggcggc ctgcgcgcca agggacagaa gcctgacttg 360

gcgcttgttg cttgcgacgt caacgccacc gtcgccggat cttttacaac aaatgttgtt 420

gctgc 425

<210> 9352
<211> 104
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a08b1

<400> 9352

ctttacgcgt gggtgatgtg tgggttcagg gagggtgtaa cattaactgg gtgagagggt 60

aagggaccta tcctatatgt atgtctaaaa tagtaacatg taac 104

<210> 9353
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a09b1

<400> 9353

tcgttttacc tctcatcctc ccacttcctt tggtcgggct taacttagca caccgtgccg 60

ggctccatcg ccttcggtcg cttcgatgac tccttcagct tggcctcttt cagggcctac 120

atcgccgagt tcatctccac cctcatcttc gtcttcgccg gcgtcggctc tgtcatcgcc 180

tacaccaagg tgagcggcgg cgcgccgctt gacccatccg ggctgatcgc cgtggcgatt 240

tgccacgggt ttgggctgtt cgtcgcggtc gccatcggcg ccaacatctc cggcg 295

<210> 9354
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a10b1

<400> 9354

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ccggcgccgc tgctgatgaa cactgtgcac ttcgcgctgc aggccgcgct ctccaagatc 120

atcctgctct tccaggccaa ggggatcgac accgccgtcg agatgagctg gaaggattac 180

ttcatgagag tcgtcccaac cgctctggga accgcgctcg acataaacct gagcaacgcg 240

tctctggtgt tcatcacggt cacgttcgcc actatgtgta aatcggcgtc gccaatattc 300

cttttgctat tcgcttttgc attccggttg gagagcccca gcatcaagct tcta 354

<210> 9355
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a11b1

<400> 9355

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actgcggatg cgctgccaag ttggcaggct tccatgacac acattgcgct tgaaggggga 180

tgctttgttc tgacagcaaa ccagttctgc cgcagaaaag actttcctcc cccgcctgag 240

tataccttg gtggccatga ggaggagcca tccccagaaa ccgctgtttg tcctggaggg 300

agcgccatca tctcgccatc tgggacagtg ttggcaggtc ccaactatga aggcgaggcc 360

ctcctcacag ctgacctgga ccttggagaa attgttcgag ccaagtttga t 411

<210> 9356
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068a12b1

<400> 9356

aaatggtaga ccggttcaag cttggagcag gagcaatgcc tgcaagtttc aaggtggacc 60

gtaatgtgaa caggaacact gaaacattag ttgcagattt tggtgagagc gcaattggca 120

gggtggcacc agtggactct ggattttggt ggattattct cctccgggcg tatacaaaat 180

atactggaga tgctagttta tcagaatcac ctgattgtca gaagtgcatg cggcttatac 240

tgaatctttg cttatctgag ggattcgata ctttcccaac tctgctctgc actgatggtt 300

gctcaatgat tgatcgtcga atgggtatat acggttatcc tattgagat 349

<210> 9357
<211> 281
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068b01b1

<400> 9357

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tggaactgcg gatcangctg cagctgcggc tcagactgca agtgcgggaa gatgtaccct 120

gatctgacgg agcagggcag cgccgccgcc gaggtcgccg ccgtggtcgt cctcggcgtg 180

gcgcctgaga acaaggcggg acagttcgag gtggccgccg ggcagtccgg cgagggctgc 240

agctgcggcg acaactgcaa gtgcaacccc tgcaactgtt a 281

<210> 9358
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b02b1

<400> 9358

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acctcgtcgg cggcggcaaa agccacgggt acggcggcca ggggcacggc tgcgaccagg 180

gctacggcgg ccacgggcag cagcagcacg ggtacggcgg ccacgggcag cacgggtacc 240

ctccgcccgc cggcggggct tgccccccgt acggcggcta cccggcgcaa ggc 293

<210> 9359
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b03b1

<400> 9359

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cgggggggaga ggagaaagga gaagcgggcc aggatgtgtg gcggagcgat cctcgccgag 120

ctcatcccgg ggggcgcgcc ggcgcggcgc gccgcgtccg gccacgtctg gccgggcaag 180

gccgccgacg acttcgaggc cgcgttccgg gacttcaacg aggaggagga cgtggtggtg 240

gtggtgg 247

<210> 9360
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b04b1

<400> 9360

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tccagattac atactaaagc cggactctga accagtcatc cttgacaatg caccatcttg 120

tcccgtggta gtcttcatca actctagaag cggtggccaa cttggaagtg gtttgatcaa 180

atcataccgt gaagttctca atgaagcaca ggtctttgat ctgt 224

<210> 9361
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b05b1

<400> 9361

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gtaaactcga ccaccgcaga ctgcggctgc tgcataagct tagccgcaaa aggatgttgt 180

tctacttgta tttttgcggg tggctctgac tttgcctgca agaacacttg ttgtttcccc 240

tgtattcttg aagattctgt ggttgctaag atggatgaaa tgggagtggc ttcgaagatg 300

gaaggactgt actaaaacga tatgcttgca ttgctaccaa catggatgcc attcatcggc 360

atatgttgga ttgcttcgat cta 383

<210> 9362
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b07b1

<400> 9362

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ccttctctta agatttgccg atgactcata cctggagagt tatatcagta ctattggtgt 180

tgatttcaaa atacgtaccg tggagcaaga tggaaagact atgaagctgc aaatctggga 240

cactgctggg caagaacgct tcagaactat tactagcagc tactatcgag gggctcacgg 300

gatcattatt gtctatgacg tgacagacca ggacagcttc aacaatgtga agcagtggtt 360

gaacgagatt gatcgctatg ctagtgagaa tgttaacaag cttcttgtag ggaacaaatc 420

tgatctcact gacaaaagag ttgtatcata tga 453

<210> 9363
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b08b1

<400> 9363

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accctccccg ggctgtcgag gtccatgagg tggcgccgcg cgtccgcgcc ggtgtcgtcg 180

gaggtggagc agagagacct cctggaggcg gtggtcgcca gcctcccggc ggacaagggc 240

tcggggagcg tggtgaccgc gaagttcctg ttcgcgctgc tgcggacggc gcacatcctg 300

cgcgcttcgg acgcggcgcg cgccgcgatc gagcggaagg ccgcgacgca gctggaacag 360

gcaacggtgg aggacgtgct catcccgagc tactccggcg ccgcggagac gctcta 416

<210> 9364
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b11b1

<400> 9364

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gaaggcgagg taacacgcca gcagccgctc cagctcctcc ggccgggcgt cggtcccccc 120

gctgctcgcg atcatctcgg acatcgactc cctgaacgcc cgctgcgggt cccgcgtccg 180

ccgcaccact gagaggctct ccagctccgg cgccgaccgc cgcggcgacc gcaccttcac 240

c 241

<210> 9365
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068b12b1

<400> 9365

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aggagatttg ccgtttttc tcttcacgac gcagccgctg ccgctgcgag gaaacaaaac 120

aatcccgtga ggcaaggacg gttgtgaagc aaaggggtga caaagccttc tgcagcatgg 180

agtgcaggga gaacttcatg gaagatgaga tggaaggtga accttcgata ggtcactctg 240

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gcatcagtaa acacttgatg tggtcgtat 329

<210> 9366
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c01b1

<400> 9366

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ccgatggcca accagccccg cgaacgcggg tcccgcgccg cgcgcaaggg ccgccccgtc 120

cgcacgccag cgaccctgct cgcccttaac cccacccccg atcccgatct gtccgcgcag 180

gcctctgacg acgtctctcc gtggggccgc tcgacggcgg acgagctgga ggaccgcctc 240

ctcaagaggc tggaggaggc ctacgcggcg gcgctggccg gcctcgctga gctcggctac 300

gccgaggact ccgcgctccg ggccgtcctc cgcgcgggcc actgctacgg caagcttgac 360

gaccctgtcg ataaca 376

<210> 9367
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c02b1

<400> 9367

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ccacgcggcg cgcccgctcg ccgcgcgcgc gaatctcggt cgcaactggt gtactgttga 120

aggaaggaaa aatcatccta tttgtcatgg cgggaactga ctcctcggcg tcatcgagac 180

aaagcagttt caactcatta gcaaaggacc tagaacttcc tttggagcaa gggtgcctca 240

ccatcgttgt acttggggct tctggagatc ttgccaagaa gaaaacgttc ccggcactct 300

accacctttt tgagcagggg ttcttacaat ctggtgaagt gcatatagtg gggtatgcga 360

gaacaaatct ttctgatgat gggttgagag ggcgcatccg tgcatacctt aaaggagcct 420

cagaggaaca tgtttcagaa ttcttgcaat tgataaaata tgtcag 466

<210> 9368
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c03b1

<400> 9368

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tggagcacaa agataccagg atgtaaagaa agttctcgca gacacattct ttggtcctcc 120

tgaagttggt gtatatagcc catcagtgca gaatacatta tacctcatgg ctagggaagt 180

tcttaccagg ttcccagaca tagcgtcagt tcagcttagg atgccaaacc tccactttct 240

cccggtgaac ctatcaggga aagaaaatcc aggattggtg aagtttgctg atgatgtgta 300

catgccaact gatgaaccac atggaaccat tgaagcaaca ctgagccgcg ccaactcaaa 360

gctgtaatat tttatttttc t 381

<210> 9369
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c04b1

<400> 9369

gttatttgtt tccagtgaag aacgcgaatg gctcagcctg ggacaccttc aatagcgcca 60

aagtgatgct gctccgactc cacagcagat gggtagtcgc tgctggcggc ttcctgaccc 120

attctgtgcc cttgtacatg acaggcgtcg aggtttctcc gctcagctcc tacgccggag 180

aaaacctgga ggcgatctgc cgcggacgga cattccacgc gcccagcgag atctcgttct 240

aggcgcatca gttcacgaca gtggcagcaa atggaggaag cagtattgca cagggattgc 300

aaggtcgaac gaatgctcgc agttgacatt ggttgtattg agctgagctc tttgagctat 360

tggcattagg gttttcaggt actgggcaga ctgttgtatc ttttgtgagt aaattg 416

<210> 9370
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c06b1

<400> 9370

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gggcaggcac ctccccccag ggatcgatcg aagatgccta atatagcgct ggaccaccgc 120

cgcgaggcgt cggaccccgg ctgcctccgg gccgtgctcg gcgagctcgt cctcaccttc 180

ctcttcgtct tcgtcggcgt cggctccgcc atcgtcggag gacaagcagt cgcagccgga 240

ggcgacacgt cagcggcgtt gatcgcggtg gcgctgggcc atgcgctggt ggtggcggtg 300

ttcgcgaccg cagggttcca catctccggc gcccacatga acccggccgt cacgctc 357

<210> 9371
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c07b1

<400> 9371

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accttgcagc cctgaaatat tggggcataa ctcaacccac caaactaaac ttcaatattt 180

ctgattatgc aaaagaaatt gagatcatga agagcatgaa tcaagatgaa tttgtggcct 240

acataaggag gcagagtagt tgtttctcaa gaggaacatc gtcatacagg ggtgtaacaa 300

gacgaaagga tggtaaatgg caagcacgta ttggtaggat tggtgagagt agagacacta 360

aagacatcta tcttgggacc tttgaaactg aagtggaggc agctgaagcg tat 413

<210> 9372
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c08b1

<400> 9372

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agcgccgcaa cgggctcctg aagaaggcgc acgagatctc cgtcctctgt gacgcggagg 120

tcgccgtcat cgtcttctcc cccaaaggca agctctatga gtacgccacc gactccagca 180

tggacaaaat tcttgaacgt tatgagcgct actcttatgc tgaaaaggct cttatttcag 240

ctgaatctga aagtgaggga aattggtgcc acgaatacag gaaacttaag gcgaagattg 300

agaccataca aaaatgtcac aagcacctca tgggagagga tctggattct ctgaatctca 360

aagaactcca acagctggag cagcagctgg agagttcatt gaagcacatc cgatcgagaa 420

agagccatct tatgatggag tccatttctg agct 454

<210> 9373
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c09b1

<400> 9373

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gaggccgagt agctagccta gtctagggtt tcggtagaga ggaagtgaga tccatggcgg 120

agacggagta ccgctgcttc gtgggcggcc tcgcctgggc caccgacgac aacaacctcc 180

agcaggcctt cagccagtac ggcgagatcc tcgacgccaa gatcatcaac gaccgcgaga 240

cggggaggtc ccgtgggttc ggcttcgtca cgttcggcag cgaggagtcg atgcgccagg 300

ccatcgagga gatgaacggc aaggagctcg acgggcgcaa catcaccgtc aacgaggccc 360

agtcccgccg ctccggcggt gggggcggcg gcggcggcta 400

<210> 9374
<211> 478
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068c11b1

<400> 9374

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gcacctgtgc ctggtgaggt tcaaggaggg cgtggtggtg gaggacatca ttgaggagct 120

caccaagctc gccgcggagc tcgacaccgt caaattcttc gggtggggaa aggacgtgct 180

gaaccaggag gcgctgacgc agggcttcac ccacgtcttc tccatgagct tcgccagcgc 240

cgaggacctg gcggcgtaca tgggccacga gaagcactct gcgttcgccg ccaccttcat 300

ggccgtgctc gacaaggtgg ttgtcctgga cttccccttc gtcgtcgcca agccggtgcc 360

atcgcctgag gccgcttgaa tgatacaccc caccccagta tctatctgtt actacttcct 420

ccgtctaaaa aagcttgaat gatatataca ccccacccca ctgtctatct gttactac 478

<210> 9375
<211> 477
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068c12b1

<400> 9375

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tanacaatct cgccgggccc atagtttcac tcgcttatcc tctgtatgcg tctgttcgag 120

caatagaaac aaaatctcct attgatgatc agcaatggct cacttactgg gtgctgtact 180

cgtttatcac tctgtttgag ctcacttttg ctgcagtaat tgaatggctc cctttctggt 240

cttatggaaa gctgtttttc aattgctggt tggtcttgcc ctactttaac ggtgctgcgc 300

atgtttatga gcattttgtg cggccaatga ttgtgaacca gcaggttgta aacatctggt 360

atcttccaaa aaaggaaggt tcagacaaac ctgacgatgt aatttcagct gcacagaaat 420

acattgaaca aaatggatca aaagcatttg agactctcgt taacaagttt aagacta 477

<210> 9376
<211> 393
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068d01b1

<400> 9376

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cggatcgaac ggccggccta cccaccccac ccccctaccc gtcagcctag ggttttgagt 120

ccgacgcctc cgcctccgcc gcgcaccatg ggccccgacg agctccccaa ggccgccgcc 180

gccggtgccg acgagatttc cccgttctcc ttcagcatct ggccgccgac gcagcggacg 240

cgggacgccg tggtgcggcg cctggtggac accctggccg gcgacaccct cctctgcaag 300

cgctacggcg ccgtgccggc cgccgacgcc gagcccgccg cgcgcgccat cgaggccgag 360

gccttcgacg ccgccgccgt caccggcggg gcc 393

<210> 9377
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d02b1

<400> 9377

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cagccaccca ccaccgccga gagactagca ccacgagcga gctcggccga ttccgattcc 120

gtctgcgcta ttaaggtttg tttggaggaa ggggaggagt ctctgaggtg gagctgagga 180

gagagaccgg agatggcggc ttccgcgagg caaggggaga gggcgaccag cttcgccatg 240

gcctgcagcc tgctcagccg cta 263

<210> 9378
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d03b1

<400> 9378

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cggcgaagct agtggtgctg ctcgtagctc tcatgtcggc catggcggtc acggcccaaa 120

actcggagca ggacttcgtg gacgcccaca acgcggcgcg cgccgacgtg ggccttgggg 180

aggtgacatg ggacgctacg gtggcagcct tcgcgcagga ctacgcggat cagcgccgcg 240

gcgactgcca gctgatccat actcctgatg gccggccgta cggggagaac ctctacggag 300

gcggcgggac cgagtggacg gcgacggacg ccgtgaattc gtgggtgtcg gagaagcagt 360

actacgacca cgacagcaac acct 384

<210> 9379
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d04b1

<400> 9379

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caacttgaga gcagtaagct aaaacttgca agcctggaac aagaactcca gaaagctcga 120

cagcaaggaa tcttcatttc tagctctggg gatcaaactc atgctatgag tggaaatgga 180

gcgatgacat ttgatttaga atatactcga tggctagagg agcaaaataa gcagataaat 240

gagctgagga ctgcagtaaa tgctcatgca agtgatagtg acctccgtct tattgtagat 300

ggaataatgg cacattatga cgaaatattc aagctgaagg gcgctgctgc aaaggctgat 360

gtgtttcata tactttcagg catgtggaaa acacctgctg aaaggtgttt tttgtggctt 420

gggggtttcg ttcgtctgag cttttaaagc 450

<210> 9380
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d05b1

<400> 9380

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ggactaataa caagtctggc ttcaagtcaa tgagaggatg gtgacggtgg catggcgatt 120

ggtgagcaag ctgtggtctc atttgctggc aggcacatgc ctaccactag cggctgcgac 180

taaccggcat tttcgccgat gcctccagcc cggaccggaa caagaacgca gattgtacaa 240

ctctctcgtc gatggactgt acatcgttca tgtcggatta acactcgtgg taatgtatta 300

tagtttttct accgcgcgga tctctttatc gtacgagagg accatgtgaa tgaaactgtt 360

gctcctcctt tccccctct aaattcaaag gattcaagca ggcatatacg ccaataaaaa 420

ctggtaagag tcttgggtgc t 441

<210> 9381
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d06b1

<400> 9381

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gggcacagag aagtcatttg gaacaacaaa agatcggatg ctatacatcg agaagtgtgc 120

caattccaaa gctgtaacta ttttcatccg tggtggcaac aaaatgatga ttgaggagac 180

caagcgaact attcatgatg ctctatgtga tgcaaggaat ctgatcatca acaactcaat 240

tgtgtatggt ggtggctcac cagaaatatc ttgctcaatt gctgttgatg ctgcagcaga 300

tcggcatcct gaagttgagc agtatgcaat cagggcattt gctgatgctt tggatgccat 360

tccactagct ttagctgaaa acagtggttt gccgtctatt gatactctca ctgtcgtaaa 420

atcccaacat gtcaaggaga aca 443

<210> 9382
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d07b1

<400> 9382

gccacccccg ctcctctcct ctcgcccatg cccgccaccg ccgaagaagc tgccatggcg 60

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ccgcgggagc cggaccccga tcaccacgct ccggtgtcgc cgggcgcttc cgaagaggaa 180

gagggcgcca gcggcgcggt cgaggcgggg caggacgacg acgcgcctga cccggaggac 240

gagccggagg agggcggtga cgccacggag gacgatatgg acgaggagga ggaggaggag 300

ga 302

<210> 9383
<211> 422
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d08b1

<400> 9383

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gaatgctgct ctcaccgtcg ccgtagccgg ggaagaaatc gacgaggccg tagccgggga 120

agaaatcgac gaggccgcct ctcgggctca ggctgacatg tcggagatca tgtcgtcgct 180

cccacggtgc ccggtgtacc ttactcacca ctaccgcggc ttctggatcc gcgagttcgt 240

cctcaagggc atggccgccg ctcaggcatc cttcgagcca aggccaaccg acgtcttcct 300

cgccagctgc cccaagtccg gcaccacctg gctcaaggcg ctcgcctttg cgacgctcaa 360

ccgcgccacg cacttgccgt gcgactccaa ccacccgcta tgccaccgca acccgcacga 420

ct 422

<210> 9384
<211> 496
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068d10b1

<400> 9384

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gtccgtctgt ccgtccgcgc gcgctctgcg ttctttggga ggggggaaat ggcggcgaag 120

cgcgagctgg tggtcagctt cggggagatg ctgatagact tcgtgccgac ggtggccggg 180

gtgtcgctgg cggaggcgcc ggccttcgtc aaggcgcccg ggggcgcccc tgccaacgtc 240

gccatcgccg tcgcgcgcct cggcggcgcc gccgccttcg tcggcaagct cggcgacgac 300

gagttcggcc gcatgctcgc caacatcctc cgcgacaacg gcgtcgacgc cggcggcgtc 360

gtcttcgact cgggcgcgcg caccgcgctc gccttcgtca cgctgcgcgc cgacggngag 420

cgcgagttca tgttctaccg caaccccagc gccgacatgc tcctcaccgc cgacgagctc 480

aaggtcgacg tcatca 496

<210> 9385
<211> 475

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d11b1

<400> 9385

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aatagaaaca aaatctccta ttgatgatca gcaatggctc acttactggg tgctgtactc 180

gtttatcact ctgtttgagc tcacttttgc tgcagtaatt gaatggctcc ctttctggtc 240

ttatggaaag ctgtttttca attgctggtt ggtcttgccc tactttaacg gtgctgcgca 300

tgtttatgag cattttgtgc ggccaatgat tgtgaaccag caggttgtaa acatctggta 360

tcttccaaaa aaggaaggtt cagacaaacc tgacgatgta atttcagctg cacagaaata 420

cattgaacaa aatggatcaa aagcatttga gactctcgtt aacaagttta agact 475

<210> 9386
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068d12b1

<400> 9386

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ttcagacatg gacagagcat aactaatcca gcgcccactg aaatcagaac gtcacagcct 120

catccttttct acataatctt acccttacat tttgaacttg tcaaaagtac ccagtagcat 180

aaactacaag cacaatgccc gccgacgact aacaacgacc aagatttgca gcaagtccag 240

cccgccttgc ttctcagttg ggcttttcct cctggcactt ggagcaggta cacgtgaacc 300

cgtagtccgc gagctccgcc tgccgctcct cgtagggaag ttcttcgtcg atgtaggaga 360

tgggtgatct cttcgccctt gctgataggc ccc 393

<210> 9387
<211> 332
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189068e01b1

<400> 9387

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tcgacaatct tttctccgtt caagatgacc atcatcatcg agcagcctca gtttgatgcg 120

gcggcggaga ggaaggtcgc cggcgaccag ggggagctcg tgctcgacgg cggcttcacc 180

gtgccggact ccaacgcctt cggccacacc ttcagggact acgacgcgga gtcggagcgg 240

aagaagacgg tggaggagtt ctaccgcgtg aaccacatca accagacgta cgagtttgtg 300

cagcggatgc gggatgcata tgggcggctg ga 332

<210> 9388
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e02b1

<400> 9388

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tgatgtgcga tccactaagc actttatata tagaaaaaaa aagaggaaga aaaaggtacg 120

tggcgcctgc ttgctctcat agtaaaacga gcaataagcc aagcgaatca acgagcggac 180

tttatgtgcg aaaatgaccg tacgcagcta gctaacataa tatcgaatct gacgtaactg 240

gcgagtacta tctaggtagc ggctataata tcgcaggcca gcgcccagtg ataccactat 300

tatggcacac gcatatatac cagatagagg acgatgcccc gcaacggccg ggggtccatg 360

tatccactgc cgtactccgg attaactagg tttagtaact ggtatagcac tggagcacgt 420

accaaccagc tcaccggtca tcatgtctta agccaatgca atatactcac t 471

<210> 9389
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e03b1

<400> 9389

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ccgtcacgta tttgacaccc aacttccgtt attggagggg atcaatcgta tacaaattcc 180

gattcatcaa aacggccttt cataaaggtc gtgttttgat ttctcacgat cccaacggag 240

atattactgg tacatcagat accgagacca caacttttc gcgagtagtg catttggagc 300

aggaaactga actagaattt gcagtcccct acaaggcaac atcgcctatg ttggagattg 360

ttgattttgc ctcttttccc cttaccaatt ccacctcagc agcacctgct tacgtgtaca 420

attcacgttg gtataatggt actattacca tgcgcattca gaccaatctc aca 473

<210> 9390
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e04b1

<400> 9390

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gggagagact gacaaaaaca gtgaaaacaa gcactatctt tacacgcaca aaatcattat 120

tgtaaagtac aacgataaca ggataattca tgttaatctc acccaagagt ctcctaagct 180

ccttgacgct ggtaagaact tggacatgac atattcaacg aagtgggtac caacagatgt 240

ttcatttgca cgccgttttg aagtttacct ggactatact ttctttgaac accagat 297

<210> 9391
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e05b1

<400> 9391

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gggggaggca aagaagtgtg gctccaagag gaaggtggag ttggagcggg atgaggaggg 120

ggcagcgttc ctggcgtgga tcgagtccac caagccaccg acagaccaag tggattactc 180

tgatggggat gtgtcggacg gctaccactc ggaggacgac gccatcggca gcgacagcag 240

ggacaatgat cggtatgagc gccgcgttca ggccaacaac actcgctggc ctttcttggt 300

gggggcctaa tcccatccat gacggtgctc ttgctcttgt ggtctgagaa gctgacgagg 360

agctttacca atcctatccc atctagtacc aaccatgtat ctatcttatc tatctatata 420

ttactagatg atcctgtgga catatatata tgt 453

<210> 9392
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e08b1

<400> 9392

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attaccacgg atcatatttc acccgcaggc agcatccaca gggacagtcc tgctgccaag 180

tatttgcttg agcgtggcgt ggaccggaaa gacttcaact cgtatggtag ccggcgcggt 240

aacgatgagg tgatggcaag aggaacattt gcaaacatca ggattgtgaa caagtttttg 300

ggtggagagg ttgggcccaa gactattcat gtgcccacag gggagaagct ctctgttttc 360

gatgcagcca cgaaatacaa gtctgaaggt catgatacga tcattcttgc tggcgccgag 420

tatgggagtg gcagctctcg tgattgggcc gccaagggac caatgcttct cggtgtgaaa 480

gcggtgattt ccaagagctt tgagcggat 509

<210> 9393
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e09b1

<400> 9393

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tgccgatctc caaggcgacg tcgccgtcgc cgtcgccacg cgccagatct cctccacgcg 120

ctcgcggtgc gccttcgccg cctgcgcgat ctgcccggct aagatggcga cctatgagcc 180

caagaacatc ctcataactg gtgctgcggg tttcattgca tcccatgtgg cgaaccgtct 240

aattaggagc tatcctcact acaagattgt ggtactcgac aagattgact actgctccaa 300

cctgaaaaat ctcaacccct cccggccatc gacaaatttc aagtttgtca agggcgacat 360

cgcaagtgct gacctggtga actatcttct catcactgag tcgatcgaca ccatcatg 418

<210> 9394
<211> 464
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e10b1

<400> 9394

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cggcacggtg atccgcttca cggacggcta cccgctcccg atcccgtcgc cgccgcccgg 180

ccagcccgtc gtcgactgga aggacgtcgt gtacgacgcc agccacggcc tcaagctccg 240

catctacagg ccggcggcgg cctcctcctc cgggaacaag ctcccggtga tcgtctactt 300

ccacggcggc gggtacagca tcggcagctt cgacatgccc aacttccacg cgtgctgcgt 360

ccgcctcgcc ggcgagctcc cggctgtggt gctctctgca gactaccgcc tcgccccga 420

gcaccggttc cccgcgggcc tcgacgacgc ggcgaacgtc gtgt 464

<210> 9395
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e11b1

<400> 9395

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tttctttcat atcaatcata ttcatgtcta acatttgctt gtgagctctg atacatgctc 120

tcttacttca acaataactc tacagaaaaa taatgtgtcc aatcaaagag aacatctcat 180

actcttgatt ggcagcatac atataaggca gatctccaaa catgaacaac acccaaagtt 240

agatgaccat gtgttggata caacaatgaa caagctattc aagaactaca agagatggtg 300

caagcacctt ggccgcaaaa ctagcttatg gttgccggca attcaacaag aagtacaaca 360

gcggaagctt ctctatatgg gcctttatct gctcatatgg ggcgaggcgg ctaacttgtg 420

gtttatgccg gagtgtcttt gctacctcta tcatcatatg gcttttgaat tg 472

<210> 9396
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068e12b1

<400> 9396

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gaccatcaac gacaacgcaa gtcgtctctg aatataatct agcactctta agtacaacta 120

attatgctct atgatgtgat gaacctacag tctacttttg gacactgcta tcaggtactt 180

ttgaagatcc aacacctatg tcgttgccta tgtaaactct gctgttgtca ctttccataa 240

tgacactctt gtgtacaact atttatttct attgctattc tcttc 285

<210> 9397
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f01b1

<400> 9397

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atgggccgca agagcgtcta cggcatgacg ctgattctca tggtcatctg ctccatcggc 180

tccggcctct ccttcgcgca cacccccaag agcgtcatgg ccacgctctg cttcttccgc 240

ttctggctcg gcttcggcat cggcggcgac tacccgctct ccgccaccat catgtccgag 300

tacgccaaca agaagaccc 319

<210> 9398
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f02b1

<400> 9398

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ctagccagct cgaccatggg tggtgttcgg cagcagctca tggccgccgt cctcgtggcg 120

gtggcgctga tggccacggc ggcggagggg tacatcactc agaagacgtg gggcgccatc 180

cgccgggcga accgcgccgg gccgttcgtc ggcctcgtcg tgcccaacac atacgagatg 240

gtccccgtgc tcgagtcgcc cagcttcgtg gccagcaaga gcatccctaa catggacatc 300

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ggactgagca tgctcaacgc tggtctgacc accc 394

<210> 9399
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f03b1

<400> 9399

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aggccactgc ttctgatcct agcccactcc aggacttttg tgtcgccgac atgaattcac 180

cagtccgtgt caatgggttt gtttgcaaga acccgatgga ggtcaatgca gatgacttct 240

tcaaggcggc caacctcgac aagcctaggg tgcccaacaa ggttggatcc aacgtcactt 300

tgatcaacgt catgcagatt gctggactga acaccctcgg cata 344

<210> 9400
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f04b1

<400> 9400

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gctgccgccc agtttccccct acggcggcat ggagaacccc aggatggtgt tcctcacgcc 180

cacggtgatc aaaggggacg ctgcggcgca cgtggtggcc catgagctcg cacatagctg 240

gactggaaac ctcatcacca acaaaaccaa cgaggacttc tggctaaatg agggtttcac 300

aacatatgct gagaggagga ttgtcaaggt ggttcaaggt gaggagcggg cggccttaaa 360

cagcggaatt ggatggag 378

<210> 9401
<211> 469
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f05b1

<400> 9401

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gctcaagtcc aagaggatgc accgcttcat aacctacagg ctggagaacc agaaggaggt 120

cattgtggac caaactgggg agcgcgaggc cacctatgag gagttcacca agaccctccc 180

tgagaatgac tgccgattcg cggtgttcga cttcgacttc accaccccgg aggatgtgcc 240

aaagagcagg atcttctata tcttctggtc cccggacacc gcaaaggtga ggagcaagat 300

gacgtacgcg agcaccaacg agaagttcaa gaggaccctg gacggcatcc aaatcgagat 360

gcaggccact gaccccagcg aaatcagcct ggacgtgatc aaggagcgcg cgcactaagg 420

caaatcatcc caatgcctcg caatatggat ttatgtcaaa tatagattt 469

<210> 9402
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f08b1

<400> 9402

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tgtaactttg tccggaagcc gccgaagaat atccggaagc gtcccgccgc gtccgtcggc 120

tctgacggcg aagaaggtag cggcggcgac gattccgggg ccatcgcggc ggcgcgatct 180

aagaagccgc cgtctactac cagcaagctc ttcttctcct ccgccgacaa ctcacacgag 240

ccccgccgtt tccagttcga gtcgtcccgg acgattcagt cctccaccga caaccgcgcc 300

actgcgacgc tcgagacgga gacggcgtac gaccgtgatg cgcgcgc 347

<210> 9403
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f09b1

<400> 9403

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atctccaacg cgacaggcgc cgtcgcccac gccacgcgcc acatctggtc cacacgctcg 120

cggtgcgcct tcgccgcctg cccgatgtca ccgggtaaga tggcgaccta tgagcccaag 180

aacatcctca taactggtgc tgc 203

<210> 9404
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f10b1

<400> 9404

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cgccgccgcc tccccctctc ccctccggcg gcgccgctgg aagacgacgg cctgctctct 120

gagaacctcc tccgcctccc cccgcagccc tcctccctcc cgcgcgcctc cgccgtctgc 180

agccgcctcc tctccgaccc cgccttccgc cgccgcttcc gcatccacca ccgcggcagc 240

gctctcctcc tcggctcctt catccattac cccggaatca ccttccagcc agcgcccgac 300

gcccccgacc gcctcccccc cgagcaattc cgcctgaagc tcgacgacca ctacatcgcc 360

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tgggaccccc tcgccggcca cca 443

<210> 9405
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f11b1

<400> 9405

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gtctgcctcg agagaccctg caacgtcgcc gccgaagtgt gcgggcacga gctgtgcctc 180

aagtgcgcga tggacctgtg cacggtgatg aaggcgtacg aggtgccggg gctggccggc 240

accgtgccgt gcccgctctg ccggagcggc atcgcctcct tcaggaaggc cgtcgccgcg 300

gccaccgcgt cgcccgagga cgaccagcaa agcatgagcg gca 343

<210> 9406
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068f12b1

<400> 9406

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gaatttcctg gtctcaaatt gcttgcagtg gtggaaagca tcaagaagga gctcccaacc 120

atcacgcgat ttctggagca acggtcactt cccgtcgagg tagccacgtc gtttgctcgg 180

atccatgaac tactggagga ttctaacttg aaggaaggaa atgccgcagt ggatgctggg 240

ggcgagggga cctctgagtt gactgcaccg caccctcctg ccattccacc gcatgggcct 300

gtgcctgatg aagcggtgca gaacggcagc gatcatcctg cgccggaatg ctgtga 356

<210> 9407
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068g01b1

<400> 9407

cttttcgtta tacagatcac ggccgcggtg accgggacag gtcaaaatca aaagcgggcg 60

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ggcggtctgg atggcgttgg cggtgatgct ggtcgctgct gctcaggtgg cggtggctgc 180

cccggtgatg gcgccggcct tcctctgggc gcccaagaac tacggactta gtcccaatga 240

ggctaaagaa gtagtccact atcagacaat ctccccaaag agtttagctg attctgttct 300

cgaggaaggt ggctggtcaa acttggtgtg ttcaaaggat ggtcctcaaa agaatgttga 360

tgttgcagtt ctttttcttg gatcaaagct acaatcatca gaca 404

<210> 9408
<211> 478
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068g02b1

<400> 9408

ctttagattt cacgaaggtt aatgccgctg aggcatttag gatcgccggc attcagcatg 60

gcttcttcga gctgcagcca aaggaaggcc tagccatggt gaatggcacg gcagtgggct 120

cggggcttgc atccatggtg ctttttgagg ctaacatcct tggcctcctt gccgaggtcc 180

tgtcagccgt cttttgcgag gtgatgaacg gcaagccaga gtacaccgac cacttgaccc 240

acaaattgaa gcaccacccc ggacagattg aggctgctgc tatcatggag catatcctgg 300

aaggcagctc ctacatgatg ctcgcgaaga agctcggtga gcttgaccca ttgatgaagc 360

caaagcaaga taggtatgca ctccgcacat cgccacagtg gcttggccct tagattgagg 420

ttatccgtgc tgccaccaag tcgatcgagc gggaaatcaa ctncgtcaac gacaaccc 478

<210> 9409
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068g04b1

<400> 9409

gttagccttt gtcaaatcga gctccagcta ctgagtgaga gtgaagtttc tagccggagg 60

agagagatag aagtatgggt atggggtgga aagttctgag cgatgtgaag ccatacctgg 120

cgatggtgct gctgcaggtg gggttcgccg ggatgtacat catcgccggg gcgtccctca 180

aggcctggat gagccacttg gtcctcgtcg tctaccgtaa cctgatcgcc accgccgtca 240

tggcgccctt cgccctctac ttcgagaggg gacggaggcc aaagatgaca accaccatct 300

tcctcaagat catggggctc gcaatcctgg agcccatgat cgaccagaac ctctacttat 360

tgggagcgaa gctgacctcg gcgggattcg caacggcgct actcaacacc c 411

<210> 9410
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068g06b1

<400> 9410

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tggagcccgt gcgggtcaac ggctctgcgg cggaggccac gctctccagc gccgagctgg 120

cgtggcgccc caccgcggcc ggccgcgaca gcggtggaag gcggaagctg gagctggagt 180

ccgacgtgct cgggttccag gtggagggca gggctctcaa actcgcgacc tttacgaggg 240

gggacgtgac gggcgcgggg aggccgccgt ctccggtggg ctgcggcgga ggtgcagagg 300

acaggaagag aggggaggtg gcggtggaga tggagagcga ggaggccgcg gagaggtggg 360

ggcatgccat cagagatcgc ttcgcctcgc ttggtcgacc gaagagactg ttcttcatag 420

tgaaccctta 430

<210> 9411
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068g07b1

<400> 9411

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ccccgccgcc gcgcccgcgg gcggcgagga gctcgacctc ttcatgacac actatgtgct 180

gctcctctgt tccttcaagg agcagctcca gcagcatgtg cgcgtccacg ccatggaggc 240

ggagatggcc tgctgggagc tcgagcagac tttgcagagt cttacagggg catctcctgg 300

cgaaggcacc ggggcgacta tgtctgatga tgaagacaac ccggtcgaca gcgagagcaa 360

catgtttgac ggaaacgatg tgtcagatgg catggg 396

<210> 9412
<211> 402

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068g08b1

<400> 9412

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gcaaagcgta gcggaggagg gagaggggga gagagatgag gtggacggcg ttcgcgtggg 120

agagcgcgtc ccgggccttc aacaaccgcc ccaccttcac cggcctcgtc gtcgtcctcg 180

ccgcaagtag tggaggaggc ctcgtcgcat atgcggactc tcagccggac cagccccaag 240

gatttaaaaa gaagaaagta gtggttcttg gaactggctg ggctggcacc acattcctga 300

ggaatcttga tagcaaactg tacgatgtcc aggtcatttc acctcggaac tactttgcat 360

tcacaccctt gctcccaagt gttacctgtg gaacagttga ac 402

<210> 9413
<211> 63
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068g09b1

<400> 9413

tttcgattta aaaaaaaaaa aaaaaaaaaa aaaggaaaaa ataaaaaaaa aaaaagggaa 60

aag 63

<210> 9414
<211> 95
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068g10b1

<400> 9414

cataaggttg agtctgagtt tgtaccgggc tacatttcag attgcatggg ggttactaca 60

cngactcccc tagcttcagg ggttctcact gggaa 95

<210> 9415
<211> 429
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068g11b1

<400> 9415

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tcgtccttcc ccgcccattc cacgatccct cggccgcggt cgggtcgcca tgggaatggg 120

gccgctcgag aacgccgccg ccgtcgtcga gggcggcgtc gccgccccgg tggtgccggt 180

ggtgaccgcg gcggcggcgg gaggggggtc gtacgcgctg ctgcagtgcg gggaggactc 240

ggcgtacgtg cgggacgcgt acgggggcta cttcgaggtg ttccgcgcgc tgctggccga 300

ggacggcgag cgctggcagg tgtaccgcgc cggcgccggc gagctgccgt cggaggagga 360

cgcggcgggg ctcgacgggt tcgtcatctc cggcagctgc agcgacgccc acggcgacga 420

gccctggat 429

<210> 9416
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068g12b1

<400> 9416

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acggacggaa gcgccaacga caacaacagc aagtcctcat cgtgcacaga gatcgccttc 120

tcaagcaacc atgaagagtc gctgcgccta ggccggccca ggaacatcag ctttagcggg 180

gagtccccga gtacaaaatt acacatctga tccgatatga tcttccggtt gtccatagat 240

tcaaccacga tggctgatgc aaaaccgcaa taagaagatt ttgcatccag gcaggcaggc 300

aggcaggcag gcaggaggag ggaagggata ttgggaaaag gcaggcagca tgatatatgt 360

tattgatgat gttgttattc ttgtttatga t 391

<210> 9417
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h01b1

<400> 9417

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cggggatcgg tggcgccaga tgcgcaagat ctgtatcgtg gagcttctca gttccaagca 120

ggtgaggcgt atggagggca tcaaggccaa cgaggtaggt aacctcctcc attccatggc 180

cgccgccggt gctaccgtaa atgtgagcgc gaagatggca acactcagca gcaatgtcgt 240

gacgcgagca gttttcggcg gcaagttcac acggcaggat gagtacctcc atgagctaag 300

caaggtgaac gagcttat 318

<210> 9418
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h02b1

<400> 9418

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ggcagcatgg gaggcgccgc ctacgcaaca actgcctccg gggttccggt tccaccccac 180

cgacatggag ctgctgctgc agtacctccg ccgcatggcc ctggaccgcc cgctgcccgc 240

cgccgtcatc cccgtcgtcc acgccgccga catgcccgac ccctgggacc tccccggcgc 300

gagcgagggg ga 312

<210> 9419
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h04b1

<400> 9419

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cgtggcactg ggaggggggcg cggccgacgg ggccggccag tgcgggaggt cctcccccga 180

ccggatggcc ctgcgcatgg ccccgtgcat ctcggcggcg gacgagccgg actcggcgcc 240

gtcgagcagc tgctgctcgg cggtgcacac catcggcaag agccccagct gcctgtgcgc 300

cg 302

<210> 9420
<211> 246
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068h05b1

<400> 9420

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gagaaaacaa aacgcgacng gcgagttttt ccggcgccgt gactagtgga ggaggcaccc 120

cacgggggg aaccagctgc gccacgccac tccggggcta ggcatcgcca tcgtcgcctt 180

tggtatctac cttgtccgcg aggcctccta caaccgcctc taccgccccg ccggccacaa 240

ccacca 246

<210> 9421
<211> 317
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068h06b1

<400> 9421

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tatatacaaa aactcctgct gcatcatcca tcatgacatg cagcatcgca cacaacaaag 120

gataaagctg gacaaaaaca ggtccaagag gagctgctac tgctcttctt ctaagattca 180

ctcgatctac tgccgtagcg cgatacgtac taccgtatgt atctgcgcgg ccttgtgtac 240

aaaaaccgta ttgacagcgt cggccggtgc gtctcgatcg ccgactattt ctacttctct 300

gcggagccgg ggtccca 317

<210> 9422
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h07b1

<400> 9422

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gcctcggcat ctccacatgc cacaagctcg tcctcgaggt ctgcggtgcc atcaagtccg 120

tcctcatgcc gcgtttcctc cagtggcccg acgaggccgc cgccggcaga ttcaaggagg 180

gcttcgagag atccttcggt gttccggggg tcatcggagc catgtacacc acgcacatcc 240

ctatcatcgc gcccaagatc tccgtcgccg cctacttcaa ccgtcggcac acggagcgca 300

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ccgacgt 367

<210> 9423
<211> 437
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189068h08b1

<400> 9423

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gcacctaata gcaaacagaa ccctgctgct gctatcatgc catccaatcc tccacaattg 120

attctccctt ccaacatggt agaagaagcc aaggcatctg ggcaatcttc tcagactgaa 180

gctgacgagg tcaacgataa tctctgcgtg gagaaagcaa ggccagccta ccaaagaacc 240

ttatcaggtg gcctgcaaag ccctagagat gccgtcgtct cccaggatgc aattcttgag 300

agagtgaact ccaagaacaa gtcaaaatcc tatcagctcg gcgacaggct gtccctgaaa 360

tggagcactg gaaatggtcc aagaattgng tgtgtgaagg attatccaat agagctcaga 420

atgcaagccc tggagat 437

<210> 9424
<211> 465
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h09b1

<400> 9424

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gtggagatgc tggacatggg cgtgcgcatc gcggccaggt tccactccca ctgcccgcag 180

acggcgcgca tgtactacaa gccgccgcag tccacctcca cgtcgtcgtc gggcgccgcc 240

gaggccgcgt cgacggatcg gagggccgcc ggctttgacg gcgaagacgt ggctgctggc 300

ttccggccct tcgccgcatc gggagggttc ggcgacggcg tccagccgcg gttcggcttc 360

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gaattctaat ttctaaaagg agagaggtct ctttgatgag atttt 465

<210> 9425
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189068h11b1

<400> 9425

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aaccaaggcc ctcgagaaca ccgactacct ctgcaacatg gacccgtacg cggttctaaa 120

atgcacctcg caggagcaga agagcaccgt cgcctcagga aagggaagtg atcctgagtg 180

gaacgaaacc tttgtgttca ccgtctctga gaatgcaacc gagctcgtca tcaagcttct 240

ggacagtgat ggtggcacgg acgacgacag cgttggtgaa gcaacgatcc cattggatgg 300

agtgtacact gaaggaagca tcccaccaac tgtttacaat gttgtcaaag acgaagagta 360

ccgtggagaa atcaaaatcg gtctgacgtt cactcc 396

<210> 9426
<211> 83
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071c02b1

<400> 9426

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gccggacggg aagctggact ggg 83

<210> 9427
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071c07b1

<400> 9427

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gttgcaaaag caggtgcagg tgcccatgtt tacaagactt gtcttcttga cgaagccgat 120

gcttaaacct tgtttaccca aagaactttt gggagtgtgg gtgcctgccc tgcccatt 178

<210> 9428
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071c09b1

<400> 9428

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tcccgagccg ggatgtggcg gttgacggcg acgttaggaa gtccggagac gccggcgggg 120

gcctcgggaa gagttatctt ttctgcttaa cggcctgcca accctggaaa cggt 174

<210> 9429
<211> 170
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071d01b1

<400> 9429

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ccggacggga agctggactg gggcgtgcag ggcgcggagc tgcgcaagtc cacgtctttc 120

ggggtcagaa gcagcagcag ggcgcatgat gcgactaggc aggaggacat 170

<210> 9430
<211> 68
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071d04b1

<400> 9430

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cgacaagc 68

<210> 9431
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071d06b1

<400> 9431

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tccagagcct ctacggcggc aaccccaact tcaagggcgt cacgccgtcg gccaccagca 120

gcgaggagac ccacagcgcc gccccgcgcg cgctctccgg cccgtggagc ggcctggccg 180

gggcggctgc gctcgcacta gccttgtcgt gctagttctt ctttgcgtcg atcgattcac 240

gaccattatt tttaacgggc atctatttca ct 272

<210> 9432
<211> 264
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071e09b1

<400> 9432

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ctgcacgtgc ttatgtccca ctacccaatc tttcgggaaa ctccaatacg atttccactt 120

cggtttctgt cactgctggt ctcattaatg acatcagtcg ggacgcatta tcgaatgcac 180

catctaccgg aagtgggctc agtctcacta actgtgcaac acagtcagct ctgtctgtga 240

atgttcctca gtttttacca cacc 264

<210> 9433
<211> 282
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071e10b1

<400> 9433

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tggtgtgttc ctctttggtc aagcgatatc ttgcttggta aatactccaa aacatagaat 120

tagctccact gcggcaatta actatgagtt gggacgatct agaacaacat taacctataa 180

tggtgaaaaa ttgactgttg cttcccgtgg tgttctggat ggtgcacctt ctggagaacc 240

tagtgatgca tacagagatg acaagtttcc agatgctggc tt 282

<210> 9434
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071f04b1

<400> 9434

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agcgaagaac cccgtggacg ggttctcggc ggggctggtg gacgacggca acgtgtttga 180

gtggcaggtc accatcatcg gcccgcccga aacattatat gatggaggct acttcaatgc 240

agtaatgacc ttttc 255

<210> 9435
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071f05b1

<400> 9435

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gccggcgcgt tggccacttt ggataagtta aacgagactc ttgatatgct ggagaagaaa 120

gagaaagcgc tagagaaaaa agcaggcgct gagcttgaga gggccaatga attctcaaaa 180

gcaaagaata taagagcggc tatccaatca ttgaagagga aaaaactcta tgagcagc 238

<210> 9436
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071f07b1

<400> 9436

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gataatggaa tgtctgaaga agcatctgcc ggtatctgtg ccagagggac tgaacgaact 120

tcaaatcatc gttgtgcggt tcgaagacaa gatttatact gcagcgacca gccagtc 177

<210> 9437
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071f10b1

<400> 9437

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ctccccggtc gctcgccgcc atgaagaagg ttgtgctcaa gctggatgtg cacgacgaca 120

ggcacaaggc caaggcgcta aaggccgtct ccggcctcca cggcatcgac cagctgggcg 180

tggacatcaa ggaccagaag atgaccatcg tgggcaccgt cgaccccgt 229

<210> 9438
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071f11b1

<400> 9438

gttttaatcg tatgcttttt actcatgaca ctggagcccc cactgcacac aagtcgtggt 60

ggaagtttgt ccagttcgga gaaaaaagaa acaaagttca aaaagaaaaa tcatgagttc 120

accttccata aagtttgaat tacagagata tcaccttgat gagtatgtaa tatgattgca 180

aatttgcaat taggaatggg tgtgt 205

<210> 9439
<211> 246

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071g01b1

<400> 9439

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ctgtttgatt ggatgcactc gtacttccgt acttgcccag attccctcaa gccatgtatc 120

ttctacctgt caattttccc ttgacaccac ggcatttcgg caaaggcgac tagtaaggag 180

gtggattgca gaaggttact tttgagacag tgatgaagaa tctgccgttg acaaagggga 240

gaactt 246

<210> 9440
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071g09b1

<400> 9440

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cttatgtact tcctacgggg aagccttcct tggcaaggtc tgaaagcagg aacaaagaag 120

caaaagtatg agaagatcag tgagaaaaaa gttgcaacat caattgaggc tctgtgtcgt 180

gggtattcta ctgagttcac atcatatttc cattattgcc gctcgcttcg gtttgatgac 240

aagcctgatt attcctacct taagcgactg ttc 273

<210> 9441
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071h04b1

<400> 9441

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ctacgaccag aagccggatc tgttcgagcc cctcaaggcc caccagtcac ccaagtacat 120

ggtgttcgcg tgcgct 136

<210> 9442
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189071h10b1

<400> 9442

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agtggcctaa gcaggacaaa aagaggatgc tgcatgctgt ttaccgtgtg ggagatctcg 120

accgcacaat taagtgtttc acagaatgct ttgggatgaa gctgctgagg aaaagagatg 180

tcccctaaga ga 192

<210> 9443
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a01b1

<400> 9443

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cgttcgcgga gccaactccg gacaccgttt tgctgtgagg atccaaccac aaacccaggc 120

acatatgctt gtccctcaaa cccgcctgca cttctatctt cgccgacaat gcgccgccgc 180

ccatcgtgga ggtgggctcc gccaacgcgg acatctacgt cgaggtcgac cgtctccctc 240

ttgtcggcga gacggttgcc ccgagtgccg gtcacagcct tgacggcggg aagggcgcca 300

atcaagctga ctgcgggggg c 321

<210> 9444
<211> 449
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a02b1

<400> 9444

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gccggggcgt ccaagaccta ccctatgcag gccggcgcca tccggaaggg cggcttcctc 180

gtcatcaaga accgcccctg caaggtggtg gaggtttcta cctcgaagac aggaaagcac 240

ggtcatgcta aatgccactt tgttgcctta gatatattca atggtaaaaa gcttgaggac 300

attgttcctt catcccacaa ctgtgatgtg ccacatgtgg accgtactga gtatcagctg 360

attgacatat cagaggatgg atttgtgagc cttcttactg ataatggtag cactaaggat 420

gatcttaaac tcccaactga tgatgctat 449

<210> 9445
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a05b1

<400> 9445

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gttcctcgac gcacgcacgc agatctcatc catccaagcc aaggcaggtc aggtcaggta 120

cgagatggct ctcaccagaa ttggtctcgc tggcctcgcg gtcatgggcc agaaccttgc 180

cctcaacatt gccgagaaag gcttccccat ctctgtctac aacaggacaa cgtccaaggt 240

cgatgagact gttcagcgtg ccaagctaga aggaaacctt cctctctatg gtttccatga 300

ccctgcatcc tttgtcaact ccattcagaa gccacgtgtc gtcatcatgc ttgtcaaggc 360

tggtgctccg gtcgaccaga ccatcgcaac gctcgcagca cacctggagc aag 413

<210> 9446
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a06b1

<400> 9446

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tgggagcggc tagatcctgc gtgtccgtca agccggccgc tggccctggc aggtacagat 180

ccgccagggt cggggcggcc agcttggagc 210

<210> 9447
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a07b1

<400> 9447

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gaggtcaagc aggcccttcg tgacaagctc cggtggacac ccgccgcggg caccacgggc 180

accggcggcc acggcgccgc gaggccgccg gcggcctcct cggctgtgac cgccgagccg 240

gtggcgcagc cggcccacgg cgccgactgc cggggcttgg ccgccgccga ggaccccatc 300

aggagggtca tgttcttggc cccctggggc cacacataaa cggaaaaagc aagtgcacgc 360

gcgcacggcc atgccttggc cggatctgca actgcacctc aacaaaaata tggactacta 420

cgtacatata tatatg 436

<210> 9448
<211> 333
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a09b1

<400> 9448

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aattcctcct gctccgcgtg gtgttcccca aattgaagtc aagtttgata ttgatgccaa 120

tggcattctg tctgttgctg cggtggataa gggcactggg aagaagcagg acattacgat 180

cactggagcc agcacactgc caaaggatga ggtagagaag atggtggaag aagctgaaaa 240

attcgcggcg gaggacaagg agaagaggga cgcaattgac accaagaacc aggcagagtc 300

tgtgatctac cagactgaga aacaactgaa gga 333

<210> 9449
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a11b1

<400> 9449

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cgacaagctc tgtgaatcag gcgcagccag cctcctaggc aagaagcttg gatcgttcac 120

acggatatcc tgttctgttc aggcagctat ggaagaggct ttggttcgca ttttgacccc 180

aaggcgagct attgacgtac tgacagatgc tcatgctgcc aacgaccgtg gtacgccgta 240

tgtcataccc tttgttgggg ttaatggggt aggcaaatcc act 283

<210> 9450
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072a12b1

<400> 9450

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gggctccaag cccggcagcg gcggcgccgc caccgaccag aatgaggcca ttgaccggcg 120

ggagcgcctg cgccggctcg cgctcgagac catcgacctc gccaaggacc cgtacttcat 180

gcgaaaccat ttgggcagct atgagtgcaa gctctgcctg acgctccaca acaacgaggg 240

gaactacctt gcgcacacgc aggggaagcg gcaccagacc aacctcgcca agc 293

<210> 9451
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b01b1

<400> 9451

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tcctcgtctc cctggaggag gccggcgccg agtacgagct cgtgcccatg agccgcaacg 120

gcggcgacca ccggcggccg gagcacctcg ccagaaaccc cttcggtgag atcccggtgc 180

tcgaagacgg cggtctgacg ctttaccaat cccgcgccat tgcaaggcat attctccgca 240

aacacaagcc cgggcttcta ggagcaggca gcctctagga gtcggcgatg gtggatgtat 300

gggtcgacgt ggatgcccac cagctggagc ccgtactcaa gccca 345

<210> 9452
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b02b1

<400> 9452

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ggcgagtagc acggctgcga tcggcggcgg acggatcggc ggcgccgcaa ggcggcgggg 180

gccaccatgt ctgccgtagt gtgcggcaag aggtcctcca tcttcgccga cgagctcatc 240

ccctcctctc cgccttcccc tccccaccac cacccttcca agcggtcccg ctgctccccg 300

acccgcgcct tcgacgacgc cgccgcggcc caccggcggg aggcgctgct ccaccacctt 360

cgctccctct tccctcacat ggatccccag ttgcttgaaa gagctcttga agcatctgga 420

gatgatttgg attttgcaat a 441

<210> 9453
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b03b1

<400> 9453

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tccatcaagg agatgatccc cccgggtgct cttgttatgc tgacacctct tattgtcggg 240

accttcttcg gtgttgagac cctctctggt gtccttgccg gtgctctggt ttctggtgtt 300

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gaggccggcg cgtctgagca tgcaaagagc ct 392

<210> 9454
<211> 413

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b04b1

<400> 9454

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ttctgctata atagggacta ctccagatgg atctaagcgg caaaagatat gtgcaagttg 180

ggagaacaca atcactggag ttggccaagt atttgagggt ccaaaggaat ttcgtgatgc 240

attgcacaag tatgccattg cacataggtt tcattacaga tttgtcaaga atgactcttc 300

tcgtgtcact gtggaatgta ctgatgaagg atgtccctgg cgcatacatg cttccaaatc 360

ttctgcaaat caggagttca tgatcaagaa agtggttggg agccatacat gtg 413

<210> 9455
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b05b1

<400> 9455

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ccgccagggt cggggcggcc agcttggagc cgacaagcct gcgaatatcc gcttattctt 240

cttcttcatt gggctcaggc gcagatggct gcggcagaag tgtcggctgc gccgccagta 300

tcagcggcag gggcgttgcc gttgctcgtt tggttggcga tggctggag 349

<210> 9456
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b06b1

<400> 9456

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aatgtacgag caatagctca aggctgcagg gagtacaaca ctactgttgt attgaaacat 120

gaagattgtg ttagggctct aagagctgct cactcaaggt tcttcctctc aaaaaccaca 180

cttgctattg gggtcatagg acctggtttg attggggcaa cactgctcaa ccagctcagg 240

gaccaggtag caatcctgaa ggaaaatatg aatattgatg tgcgtgtcat cggaataact 300

ggcgcaagca cgatgctttt gagtgaaacg ggagtagacc taaccaggtg gaaagaagaa 360

atgcaaaagg aagcaaaacc agctgatctt 390

<210> 9457
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b08b1

<400> 9457

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acgcgggtcg cggtaagggg cggcagggcc gcggcggcgg cggcgcgcgg ggtgcggtgc 180

cgggccggcg gcctgatcga gccggacggg ggcaggctgg tggagctggt ggcgcccgag 240

gagggcggcc ggcgggcggc gctgcgccgg gaggcggcgg cgctgccgca ccgctgcgcc 300

tgggccgcgt ggacaccgag tggctgcacg tgctcagcga gggctgggcc agcccgctgc 360

gcggcttcat gcgcgagacc gagttcctcc aagcacttca tttcaacgcc gt 412

<210> 9458
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b09b1

<400> 9458

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gcgacgagac cgacccccttc ttcggcttac ttggcgccgc cgccgccctg gtcttctgct 180

gcatgggggc ggcgtacggg acgggcaaga gcggggtggg ggtggcgtag atgggggtga 240

tgcggccgga gctggtgatg aagtccatcg tgcccgtcgt catggccggg gtgcttggga 300

tcta 304

<210> 9459
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b10b1

<400> 9459

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gggacccgtc cgtgttcccg gccttccgca cggtcgttga ggccgaggac gccgtcgctg 180

ccgcgctgcg caccgggcag ttcagctgct acgccgccgg cgtcggcctg cccgccgcac 240

gaagcgctgt agcagagcac ttgtcacagg gcgtgcccta caagctatcg gccgacgaca 300

tcttcctcac cgccggtgga acccaagcaa tcgaagtcat aatcccggtc ctggcccaaa 360

ctgccggcgc caacatact 379

<210> 9460
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b11b1

<400> 9460

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cggcagccgt cggaggagcc ggaggagcag gtggacctgg agggagacga cgacgtcatg 180

gacgacgagg aagggtaccg tcgtcgtcgc cacggtggcg aggactctga tgaaccggag 240

gaggagcccg aggagcctca aatcgaggtt gagggcgatg gcgatggaga tggccgggag 300

gaggacgccg gtatggccgt tgcgagtgat gaac 334

<210> 9461
<211> 381

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072b12b1

<400> 9461

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acgttggccc cggcgtcaag aacttcaagg ccggggacac ggtgggcgtg ggctacttca 120

tcgactcatg ccgatcctgc gtgagctgcg gcagcgggca cgagaaccac tgccccacgc 180

tcgtgctcac ctccaacgcc gtggactacg acggcgccac cacccagggc ggcttctccg 240

acgtcctcgt cgtcgaccag ggctacgtcg tccgcgtccc ggagggcctg cccctggacg 300

gggcggcgcc gctgctctgc gccggcgtca cggtgtacag ccccatgatg gagttcggcc 360

tcaacgcgcc ggggaagcac c 381

<210> 9462
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c01b1

<400> 9462

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ccaactgcat cgacatcatc ctcgccatca tcctcccgcc cctcggcgtc ttcctcaagt 180

tcggctgcgg gcatgagttc tggatctgcc tcctgctcac cttcctcggg tacatccctg 240

gtatcatcta cgccatctac gccatcacca agtaaaatcg ggccgtccca aagcgttccg 300

cgatgtaata ttttcaggat gatgatctcg tctgtctagc ccctccatgc cttcgtgggt 360

tcttttgatt cttttccgtg tgcgttgatg 390

<210> 9463
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c02b1

<400> 9463

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ctactgcggc aagtacaagg atgagctcat caagaacgct gcctacattg gcacccctgg 120

caagggtatc cttgctgctg atgagtccac cggcaccatc ggcaagcgct tcgccagcat 180

caatgttgag aacgttgagg acaaccgtcg tgccctccgt gagctcctct tctgcacccc 240

tggtgccctc cagtacctca gcggtgtgat cctgtttgag gagaccctgt accagagcac 300

caagggtggc aagcccttcg tcgacatcct caaggcgggc aatgtcctcc ccggcatcaa 360

ggtggacaag ggcaccatcg agcttgctgg aaccaacggt gagaccacca cccagggctt 420

tgatgacctt ggc 433

<210> 9464
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c03b1

<400> 9464

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gagatgaatg gttcaaaaag gactataaac caccacattc tgagcacaat gaagatgtga 120

gccttgaaga tgtcgatgct gcattcgata gttcagagga acaccttgtg gcggagagga 180

gagagaaacc agaatccatg aatgcatttg ctcttatttc aaggtctgag ggattcaacc 240

tcggaaattt gtttgagaaa gagatgatgg ggatggtaaa gcggtaaaca ttctttgcgt 300

cgcaacgtac accacaagag atcatgtcta aaatagagga agcctgtggc cctcttggtt 360

caatgtgcgg aaacaaaatt ataagatgaa actgaaa 397

<210> 9465
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c05b1

<400> 9465

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tactacgagg tgcttggtgt atccaagaca gcaaccccgg atgagttgaa gaaagcttac 180

cggaaagctg ctataaaaaa ccatcctgac aagggcggag accctgagaa gtttaaagaa 240

ttggcacaag cttatgatgt tctcaatgac cctgaaaaga gggagattta tgaccaatat 300

ggagaagatg caatcaaaga agggatggga ggcaccggcg gcgctgatat gcatagcccc 360

tttgacataa ttcaacaggt atatgggggt ggc 393

<210> 9466
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c06b1

<400> 9466

gaagactgca attgaaaagg ctggatacac cggacaggat gttattggaa t 51

<210> 9467
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c07b1

<400> 9467

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tcttgaacgc tgtctgaagg tatataagga aaaactggag ggcttacgtc tacctgtacc 120

agtagagaaa ctgcagcaaa ttcatgaggt ggcgaatggc gaagccaaat tgctgtttga 180

taaacagcac tttggtaagc atcatgctgt acagtcaatc ctcaagcttg aagatgagat 240

tacaaaggtg tacaaaaact tccttctagc taatgagtat caatcgtcca agctttgcga 300

agcacgtttt ttggaatgtg aagatcaaat ggatcacctt caagtcttga aacttccttc 360

catggcaaag ttcaatgcag gctttttta ctgcaatcgg acttttgtaa tggaatgtgt 420

gg 422

<210> 9468
<211> 152
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c08b1

<400> 9468

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caagctcggg tgcgagggaa cccaggaggg gc 152

<210> 9469
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c09b1

<400> 9469

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cgccaacgcg cggctggcgc gactactgct gcttgcgccc acgcgctgcc tgtgtggctg 180

ctgctactct cgcagcggct gatgctgctc gcggccggcg ccactgctcg cgcccacgcg 240

ctgcctgcgc ggctgctgct gctcgcgtcc ggcgtcgctg ctgcttgcgg ccgacgccgg 300

tgctgcataa tggcgggtgg acagggaggc gcacgacaga gcttcgtcgc cgcccgatgc 360

catgccccgc atcgggctcc gcccgcccgg cccggcgctg gcgccggtga aaggttcac 419

<210> 9470
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072c11b1

<400> 9470

ttatttgtct gtgctaccta atatgaaaca caatatcgta cacaatgtat gaaaggcaaa 60

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ttgtctgtct gtcttcaagg ggcagccagc tccaggtctc cggtttcgct ccccacctgc 180

tgctgctgct gctgctgcag ctcgctcttc tgcgcctcca gcttcttctg ctggaccttc 240

tcgccgtaca tgtaggaggc gaagccccag agggagagca ccagcgcgat gcccttggc 300

ccgtcgaact tctcgtggag gaacatgacg gcgaggatct gggaaagcgg caggaggacc 360

gcgatcatga tgccggcgag gagcgaggag gcgcaagtga tgagccccat gatgc 415

<210> 9471
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d02b1

<400> 9471

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tcatgagaac agtgaggaac actgttgaca ctggacggac agtggtttgc acaatccacc 120

agccaagcat tgacatcttt gaagcttttg atgagttact attactgaaa agaggaggcc 180

aggtaatata ctctgggaaa ctgggtcgca actcacagaa aatgactgaa tacttcgagg 240

cgattcctgg agtgcctaaa atcaaagata agtacaaccc tgcaacgtgg atgcttgagg 300

tcagttcagt tgctgcagaa gtacgcctga gtatggattt tgctgactac tacaggactt 360

cagatctgta caagcaaaac aaggtattgg tga 393

<210> 9472
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d04b1

<400> 9472

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gcaatgaatg gttcaaaaag gactatcaac caccacattc tgagcacaat gaatatgtga 120

gccttgaaca cgtggatact gcattcgatc gttcagaaga acaccttgtg tcgatgaggt 180

gagtgaaacc agaatccatg aatgc 205

<210> 9473
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d05b1

<400> 9473

gttttcgcca acctcctccc cctccggccc cctcgcgccc cagccgccgc cgccgtcgcc 60

gccgccgact gcagccatgt cgctgatcgc gggtgaggag ttccagcaca tcctgcgtgt 120

gctcaacacc aacgtcgacg gtaagcagaa gatcatgttc gcgctcacct ccatcaaggg 180

tgtgggccgc cgcttctcca acaccgtctg caagaaggcc gacgtcgaca tgaacaagag 240

ggccggagag ctttccgcgg aggagatgga ccgtctgatg gcggtggtgc acaacccgcg 300

ccagttcaag gtgcccgact ggttcctcaa caggaagaag gactacatgg acggtaggtt 360

ctcccaggtc gtttccaacg ccgttgacat gaagctcagg gatgaccttg agaggctcaa 420

gaagatcagg aaccatcgtg gtctgcgtca ctactggggc gtgcgt 466

<210> 9474
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d08b1

<400> 9474

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acagcagagg ctaggcatgg cccgtctgtt ctttcactct cctaagtttg gtatcctcga 120

cgagtgcacc aatgccacaa gtgtcgacgt cgaggagcat ttgtacaggc tagcaactga 180

catgggtata actgtggtca cttcctccca aaggccagct ctgataccct tccattcgtt 240

ggaactgaag ctcatcgacg gcgaagggaa gtgggagctg tgcgcaatca accactagcc 300

gttgccgtcg ccttaatttt tgatgggctt tagttactct cagctgtata ctgacttaca 360

tacagtacaa atagtcacct t 381

<210> 9475
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d09b1

<400> 9475

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cctactccga caaccagcct ggtgtgctca tccaggtgtt tgagggtgag aggacaagga 120

ccagggacaa caacctgctc ggcaagtttg agctctctgg catcccgcct gcgcccaggg 180

gtgttcccca gatcactgtc tgcttcgaca ttgatgccaa cggtatcctg aatgtctctg 240

ctgaggacaa gaccactggc cagaagaaca agatcaccat caccaacgac aagggcaggc 300

tgagcaagga cgacattgag aagatggtcc aggacgcaga gaagtacaag tctgaggacg 360

aggagcacaa gaagaaggtt gacgccaaga actccctgga gaactacgcc tacaacat 418

<210> 9476
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d10b1

<400> 9476

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tgcttcgacc tggacagcgg gtcgtgggcg caggacgcgt cctccaccaa gtccctcgcc 180

atggacggct acttcatctc cctcttggac ctccgcctcg accgccgccc gctcgccctc 240

gccgcccacg tcctccgcga cgtccccgcc gcctgggacc ccgccgccat cgcaagcttc 300

atcgagaagt acgggaccca cgtggtggtg gggctgagca tgggcgggca ggacgtggtg 360

tgcgtgc 367

<210> 9477
<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d11b1

<400> 9477

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ccctgagagc ggtcgccgca gcagctagca gcagctagca ggcctgcatg cgcgcatgca 180

ggccatgcca aacgtgtcga tcgtctgttc tttcatccct agagtttgta cagtagtggt 240

atacttctac gtgatgctca tacaaagtag gtagtatcga tttgattttg taaacgcgtg 300

atgatcccta ttctggaagg aattgaagaa gtttttttta aaaaaaatca gcaggagtga 360

aagcataatt ttgcaaagtc gacgaacgag cataatttcg cacacacgca tccttgcttg 420

ctttggttg 429

<210> 9478
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072d12b1

<400> 9478

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caatcccttc tccggctctc cataccaata aatatagtca gatactgctg catcgtctcc 120

atctagtagt ggaggaagag gagaaagggg tagcagtcag ccatggcgac ggccaagccc 180

atcctgtacg gcgcctggat cagctcttgc tctcaccgtg tccggatcgc tctcaatctc 240

aaaggtgtgg actacgagta taaggcagtc aatcctcgga cagatccaga ctatgaaaaa 300

ataaacccga tcaaatacat accagcattg gtagatgggg actttggtct atctgattct 360

ctcgctatca tgttgtatct ggaagataag tatcctcagc atcctctagt acctaaagat 420

atcaaaacga aaggtctcga tct 443

<210> 9479
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e01b1

<400> 9479

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aattgtatca tggaactatc ctttccataa tgtcttcaat ccgatgttgg ctgcagtatt 180

ctctggtaat gcagcagtta taaaggtttc agagcatgcg agttggtctg gctgttttta 240

ttctcgtatc atacaagcag ctctgttagc tgttggtgcc ccagataatc tggttcacat 300

agtaact 307

<210> 9480
<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e02b1

<400> 9480

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tcgcctactc cgcggacggg agctacctgg agcaccccag cccgggcgcc gggggattct 180

tcagtggcat accgtggttc cgcggcggac agacgagtgg agcccgaggt gccggaggca 240

tgggcgccgg 250

<210> 9481
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e03b1

<400> 9481

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cacgctcaac ttcacggaga cggcgtcggc gtacgacgcc gacatcacca tcgggttcca 180

ctcgggcgac cacggcgacg gctaggcgtt cgacgggccg ctcggcacgc tggcgcacgc 240

cttttcgccg accgacgggc ggttccacct ggacgcgtcg gaggcgtggg tggccggcgg 300

cgacatgtcg cgcgcgtcgc tggacgcagc cgtcgacctg gagtcggtgg cggtgcacga 360

gatcggacac ctgctggggc ttggccactc gtcggtggag ggcgccatga t 411

<210> 9482
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e04b1

<400> 9482

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gagggtcaca aggacaacgg ccacggccac ggcggacgcc gggactagga tgtggagcca 180

gtgagcatag acatgctgga gccggtcatg gaggccatct cgctgactgc tttcggacgt 240

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acacctaccg cgcacgtgtt tat 323

<210> 9483
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e05b1

<400> 9483

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gcaagataag aaaggatgcg gatcatgata gaagctcctc gaagtcacca tctaacacaa 120

aaggcaatga ggatgagttt gatgactttg atcctcgtgg atcttcttca aatggtgcag 180

ctaatacaaa gactgccgag gtggatcttc ttggcccaaa cttgatggat gatttccttg 240

acgagcctgc agccactcca tcagcaaaaa gtgctgtaga acctcaggtt gatctgtttt 300

gctgatgcat acttccaatc ggcaatccca ggtgccgaaa caactg 346

<210> 9484
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e06b1

<400> 9484

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atgtatgcaa atctacctag cgagcttgaa acgaagattt ttgagacaaa gagagggata 120

aatttaaacc ctatatgatc aaggcacaaa gatccagaag tagaaatgtg ccaaagctgg 180

ggcgtcccat ggtccctagc gagctaggat gcccacgaaa tgaatctgag ggtgcgaata 240

gctcagctcg ggcagataaa atgttgtaat gtccagacta gagcagcagc acaagatgaa 300

gtgtaattgt aatacggaat tacttgtcac aaaaatggat gtatctacaa ctaaaataca 360

tctagataca ttcatttctt gacgag 386

<210> 9485
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e07b1

<400> 9485

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cctcccaccg ccgccaagat gcagatcttc gtgaagaccc tgacgggcaa gaccatcacg 120

ctggaggtgg agtccttgga caccatcgac aacgtcaagg ccaagatcca ggacaaggag 180

ggcatcccgt cggaccagca gtgcctcatc ttcgccggta agcagctcga ggatgggcgc 240

acccttgccg actacaacat ccagaaggag tccaccctcc acctggtgct ccgcctccgc 300

ggaggtgcca agatgcgcaa gaagaagacc tacaccaagc ccaagaagca taagcacaag 360

cacaagaagg tgaa 374

<210> 9486
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e08b1

<400> 9486

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gacaacagtc agcagcgaag aaggaagcaa gcggatccca gaaaaagaag aaggcgaagg 120

tagacgagga gctctctgat gaatcctatc aggatgacga catgggcgag gaggatgatg 180

atgacagcga cgacgactgg gccgggtaag gggagcgaca aggagtgccc agatctgaca 240

tgccgtgaaa agggcggatc ggggatgagc gaccctccct ccctcactgg cgtgcgtagt 300

agagcgagtg tgtgtgctct ttttagctga tcaatgtgaa acaatgcttg tttgttgatg 360

tacaagttgt tctagagcat ctcaagaatc cgatcccgac ccacgcggtt tgtaatagga 420

gtagaaattg c 431

<210> 9487
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072e12b1

<400> 9487

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gcatcctcct cctggcgctc gccgtcctgg ccacggccgc cgtcgccgtc gcctcctcct 120

ccttcgccga ctccaacccg atccggcccg tcaccgagcg cgccgcctcg acgctcgagt 180

ccaccgtcct cgccgcgctc ggccgcaccc gccacgccct ccgcttcgcg cgcttcgccg 240

tcaggtacgg caagagctac tagagcgcgg cggaggtgcg gaggcggttc cggatcttct 300

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ttaaccgctt ctcggacatg agctggg 387

<210> 9488
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f01b1

<400> 9488

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tcttttcaag catgggtgga ggccacgaca tgcacggcag ccccaacggc ggcgtgaagg 120

gcttcgtgtc cggcctcgtt aacggcggca aaggccacgg ctacgggtca tcgtacggcc 180

aggggcacgg ctacggcggc ggccatgtac agggctacca gcagggatac cacgggcatg 240

gacagagcta ccagaccggg ta 262

<210> 9489
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f02b1

<400> 9489

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ggtactggga caagccggac gacttcgtgc cggagaggtt cctcgagggt ggcgccgcgg 120

cagcggtgga cttgacgggc aaggactttc agttcgtgcc attcggggct ggccggagaa 180

tatgccccgg tctcaacttc gggctggcta ctgtcgagat catgctggcg aacctcgcat 240

actgcttcga ctgggagctg ccggtcggca tggagaggga cgataaaatc gatatgacgg 300

aggtgtttgg tctgactgtc cgtaggaagg agaagctcat gcttgtcccc aacacccacg 360

tggttgcttg atcggtacat agtgcgtcca tatttgtata ccgctgcatg cg 412

<210> 9490
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f03b1

<400> 9490

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ctcggcctgc tggagcagct gcagctccac caccatcacg gctgctccag cggcggcgcc 180

tccttcctcc cctcctcgcc gatgcgcccc ttcgccctcc gcgcgcgcat ccaccccgag 240

ccctccccgt gcgcctgctg cgtgacggcg ctgctccgcg agggcggtcg gcagctggtg 300

gtgtccggcg cgggggact 319

<210> 9491
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f04b1

<400> 9491

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gtgacctacc ttcgcggcac catgcacatg ggggtggcgg aggcctcaac gacggccagc 180

aacttcttcg cggcgctgca gatgttctcc atcccggcgg ccttcctcgc cgactcttac 240

atcaagcgct tctacaccgt cctcatcttc ggcccgatcg agattctggg ctacatccta 300

ctagcagtgc aagcgcacgt cccgtctctg cacccgccgc cctgcagtcc cactggcgcg 360

caaacctgcg agacggtccg tggctccaac ctgagcttgc tcctcctggg cctctacctg 420

atcccca 427

<210> 9492
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<212> DNA
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<223> Clone ID: uC-tsrow189072f05b1

<400> 9492

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atttaaaccc tatatgatca aggcacaaag atccagaagt agaaatgtgc caaagttggg 180

gcgtcccatg gtccctagcg agctaggatg cccacaaaat gaatctgagg gtgcgaatag 240

ctcagctcgg gcagatataa tgttgtaatg tccagactag agcaggagca caagatgatg 300

tgtaattgta atacggaatt acttgtcaca aaaatggatg tatctaca 348

<210> 9493
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<212> DNA
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<223> Clone ID: uC-tsrow189072f06b1

<400> 9493

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f07b1

<400> 9494

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ccgtccgatc ccggcgagat ggccaacccg agggtgttct tcgacatgac cgtcggcggc 120

gcgccggccg ggcgcatcgt gatggagctg tacaaggacg cggtgccgcg gacggtggag 180

aacttccgcg cgctctgcac cggcgagaag ggcgtcggca agagcggcaa gccactgcac 240

tacaagggca gctcgttcca ccgcgtgatc cccgacttca tgtgccaggg cggcgacttc 300

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ttcgtccaca agcacaccaa gcccgggat 389

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<211> 429
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f08b1

<400> 9495

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gatgttcatc gtaccctgct ctacggaggc atatttctgt accccgccga caagaagagc 180

cccaacggga agcttcgtgt tctgtacgag gttttcccca tgtcgttcct gatggagcaa 240

gccggaggcc agtctttcac cggcaaacag cgtgcccttg aaatcgttcc tgctgagata 300

caccagaggt ctccgatatt cctcgggagc tacgatgatg tggaggagat taaatcactg 360

tacgctttgg agtcgagcac cgcctgatct gagtacccga agacacatac acatgctctg 420

catcgtgtt 429

<210> 9496
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f09b1

<400> 9496

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cgtctctcct ggagcagaca tgactgtcta cttcccatac actgagactg acaagaggct 180

caccgccttc cactctgaaa ttgaggagct cctgtacagc gatgttgaga acgatgaaca 240

caaatttgtg ttgaaggaca ggaacaagcc aatcatcttt tcaatggctc gtcttgaccg 300

tgtgaagaac atgactggct tggttgagat gtacggcaag aatgcacatc tgaaggattt 360

ggcgaacct 369

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<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f10b1

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aaaacaagtt atggaaaagg tattcctctt 150

<210> 9498
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f11b1

<400> 9498

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ggacgtggtg aaggcggcgc agctgtcggg gcggacgctg gagaaggtgg tggtccaccc 180

gctggtgctg ctcagcatcg tcgaccacta caaccgcgtc gcccgcgaca ccaggaagcg 240

cgtcgtcggc gtgctcctcg gcacctcctc ccgcggcgtc gtcgacgtca ccaactccta 300

cgccgtgccg tttgaggagg atgacaagga cccgaggatc tggttcctcg accataatta 360

ccacgagtct atgttctcca tgttcaagag gatcaacgcc aaggagcatg tcgttggctg 420

gta 423

<210> 9499
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072f12b1

<400> 9499

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gggtgttggg aaagacacac attttgagga atacataatt gggcctgatg atgagcttgc 180

tgatgacggt ctggctccag atgaagagaa gttgaagctg tacggagctg aagaaggggt 240

atcttggatc gcccgtcctg ttaggggcgg tggccaaagt gcacttggaa gcgccttggg 300

tctcatgtct tgtcatggga gtatggttag tcagggtaaa tctttcgtgg acccac 356

<210> 9500
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g01b1

<400> 9500

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tggcttggga tatgg 75

<210> 9501
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g02b1

<400> 9501

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cggattttct cacgaaggag gtgcaatacg aggacaggct tttcactctg cagatatggg 180

atactgctgg acaggaaagg tttcagagtc ttggtgttgc attctaccgt ggagcagact 240

gttgcgttct agtttatgat gtcaattcaa tgaaatcatt tgataatctg aacaactggc 300

gcgaagaatt tctgatccag gctagtccgt ctgatcctga taacttccct tttgttctgc 360

tgggaaacaa agttgatatt gatggt 386

<210> 9502
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g05b1

<400> 9502

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ggatgctgaa tgaggatgag ctgcgtgatg ctgtgctgct ggtgtttgca aacaagcaag 180

atcttcctaa tgccatgaac gctgctgaaa tcactgacaa gcttggcctg cattctctgc 240

gccagcgaca ctggtacatt cagagcacat gtgctacctt tggagagggg ttgtacgagg 300

ggcttgactg gctgtccaac aac 323

<210> 9503
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g07b1

<400> 9503

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gaaggacccg gtcaactggg gcgcggtggc ggccgagctc accggcagcc acctcgacga 180

ggtgaagcgg atggtggcgc acctccgcga gcccgtggtg aagatcgagg gcgccagcct 240

ccgcgtcggc caggtggcgg tcgtggccca ggccaaggac gcgtcgggcg t 291

<210> 9504
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g08b1

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cctgacttgg agaagagcgg cgccaccgtg caggccaccg ccgtcgtcct cggcgtcggg 180

cctgcgaagg tgcagttcga ggaggccgcc gagtccggtg aggccgccca cggctgtagc 240

tgtggcgcca gctgcaagtg cgacccttgc aactgctaag gtgcaagcgg ttgatgcgct 300

tctggtgatt gtgccgtgtg tgatcgagtg cgaataatga aaccgacgcc ggccgtctgg 360

ttggtgctgt 370

<210> 9505
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g09b1

<400> 9505

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cggctgccgc ggctgcaaca tgtaccccga ggttgaggcc gacggcgcca ccctcctcgt 180

ctacgtcacc gacacccaca aggcgagctc cggcgggatg gagatggcgg ccgagaacgg 240

cggctgcggc tgcacccagt gcaagtgcgg caccagctgc agctgctact gctgcagctg 300

ctagatccat catcgatcat gcatgcaccg tgccgagcgt gcatcatcga tcgtatcgat 360

ctactactac cataccatgt 380

<210> 9506
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g10b1

<400> 9506

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aaggagaccg gctgccagtc tcgggagggt cccatccttt gcgtcaataa actgcggatt 180

ctttggcagc gcggcgacca tgaacatgtg ctccaagctg ccacaaggag at 232

<210> 9507
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g11b1

<400> 9507

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tcccccaggc ccgtcaatag tgaggaggca tagcagggct tgaggagcag ttgcgtgagg 180

gagtagttga tcagttgagc tagtcgaact cgatggtggc gttgccgtca gcgtggatcg 240

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gtgcgcgatg ttggagctcc agcatgcaag gcacttttca gcctatgatg aatgcaggtt 360

tgtatccaca ccggctagtt gcaaggtcgc taaggatgtg gataagccaa tacagtatag 420

ttcaaagtac aaagcaaatt aagaacagat tttaggtaat gtagtcagca t 471

<210> 9508
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072g12b1

<400> 9508

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gtgcttttag gttgaatttt gcggatttga tatgtaattc tgttgagacc taagtatctg 180

tgcaatgagt actgcaaacc accttgggat ggtcttttta gaatgaaaat ggttctac 238

<210> 9509
<211> 316

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h01b1

<400> 9509

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cggatttcct cacgaaggag gtgcaatacg aggacaggct cttcactctg cagatatggg 180

atactgctgg acaggaaagg tttcagagtc ttggtgttgc attctaccgt ggagcagact 240

gttgcgttct agtttatgat gtcaattcaa tgaaatcatt tgataatctg aacaactggc 300

gcgaagaatt tctgat 316

<210> 9510
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h02b1

<400> 9510

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ctgccgcggc cgggcgacgc acgccgaccc cacccgcggc cggatccggc gggaacggct 240

gcgaggagaa taagacgatc tgggtcggcg acctccagta ctggatggac gagaacta 298

<210> 9511
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h04b1

<400> 9511

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gaagggccac ctcgacgcgt tcgcctccat cgcctcctgc ggcttcctct ccgtccgcac 180

ccccgccgtc aacgaggatg gaggggacaa gaacagcggc acgatccttg agctggggca 240

gctgctcgac gtgtgcgatg ccctctatcc tgccaaggat ggggaagttg cccgggtgga 300

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ggtcaccaat tgccccggtg ttagctcatt cg 392

<210> 9512
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h06b1

<400> 9512

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ggatgcagcg caagcactac cgggggctct ccaacccgca gtgcatccat gggatcgagg 180

tggtgagctc gccgaatctc gtgggcatca ccgatgtcga ccggaggagg tgggcggagc 240

tcacagggag ggagcttaat ttctccatcc cacaggaggc cagtgatttt gggacatgga 300

ggaccatgcc aagctcagag cttgagctgg agaggccaca cacacacact gccatgaaga 360

gcaatactaa taatgttcag cagcagcccc ccaagaagac gcttaatgga tctggcttga 420

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<210> 9513
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h07b1

<400> 9513

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atgtcttgca gctgtggatc aagctgcggc tgcggcttaa actgcaactg cggcaagatg 120

taccctgact tggagaagag cggcgccacc gtgcaggcca ccgccgtcgt cctcggcgtc 180

gggcctgcga aggtgcagtt cgaggaggcc gccgagtccg gtgaggccgc ccacggctgt 240

agctgtggcg ccagctgcaa gtgcgaccct tgcaactgct aaggtgcaag cggttgatgc 300

gcttctggtg attgtgccgt gtgtgatcga atgcgaataa tgaaacc 347

<210> 9514
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h08b1

<400> 9514

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tatgtcatct gcttcatgtt agcatgccgc tgtggatgtg atgtttatct ccggggaacg 180

ccactcctgc tggttcacaa cgggccacgg ccaacgccaa ctgatatctt cttcaacgac 240

ggtcggtggt taagttaaag aatgctttct tgaggcttcc tcgtctctga tcaaatgatg 300

tccgggttgc tttttgctca caagatgatg ctggcccgtc ttcaaaca 348

<210> 9515
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h09b1

<400> 9515

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tggcagtgcg gcgaccatga acatgtgctc caagtgccac aaggagatgg cgatgaagca 240

ggagcaggcc aagctggctg cctcctcttt cgacagcatc gtcaacggtg gcgatgccgc 300

gaaagaacac cttgctgctg gcagcacggc ggtggcagtt gctcacgttg aggcgaagac 360

gcttattacc gcacagc 377

<210> 9516
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<223> Clone ID: uC-tsrow189072h10b1

<400> 9516

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gccaaccctc tggccgagct gaccgaccgt ttcaggtcgc tggaggtcgg ggtgcgctag 180

tggat 185

<210> 9517
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189072h11b1

<400> 9517

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tgcttttagg ttgaattttg cggatttgat atgtaattct gttgagacct aagtatctgt 180

gcaatgagta ctgcaaacca ccttgggatg gtctttttag aatgaaaatg gttctac 237

<210> 9518
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a01b1

<400> 9518

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accccggttc ttggtgagcc aatggacttg atgactgctc tacagcttgt catgaagaag 180

tcaagtgctc atgatggcct tgtgaagggg ctccgtgagg ctgccaagtc cattgagaag 240

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gttaaggcac tatgcgctga g 321

<210> 9519
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a03b1

<400> 9519

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taggtgtggt gaacaacttt ctggagatct tgtgcactgc tgtccccgct tccaagaaca 180

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gtttcatgag cccaaacatg ggcaaacctg ttggagacc 279

<210> 9520
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a04b1

<400> 9520

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atctggtgct cttggatgtg aattcttgaa gaactttgct ttaatggggg tttcttgtgg 120

ccgtaaaggg aagctaacta taacagatga tgatgtcatt gagaaaagca acttgagccg 180

gcaattcctg tttcgtgatt ggaacattgg acaggcaaaa tctacagtag ccgctacagc 240

tgctagtgct atcaactcca gcctccatat tgatgctctt cagaatcgtg cctgtccaga 300

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tgataatgtc aatgctagga tgtacatgga ca 392

<210> 9521
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a05b1

<400> 9521

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cttgcccgct gtggacttgg tggcctagga gtcgttgcag aagttactct tcagtgtgta 180

gaaagacacc aacttgttga gcatactctt gtttctaatg cagatgaaat caagaaaaac 240

caccagaatt ggctttctga aaacaaacat atcaaatact tgtggattcc atatactgat 300

acagttgtcg ttgtccaatg taatcctcct tcaagatgga aaactccaaa gttggcatca 360

aaatatgtaa aggatgaagc cctacagcat gttcgtgacc tttaccgaga gtcattgaag 420

aaatatagaa ct 432

<210> 9522
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a06b1

<400> 9522

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gtcttcgccg ccgtctccgc cgtgctctac gccgtctcca tcctctcccg ctgggcgcgg 180

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gccgccggcc tcctttactg cgccatc 267

<210> 9523
<211> 112
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a07b1

<400> 9523

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cgacgcgccc tcgcaagagt tgttcaaccg cacggaccat ccacgcgggc ag 112

<210> 9524
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a08b1

<400> 9524

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gagccaggtc ggctgggccg tccccacagc cgatcagctg ccggtgactc caaccaaaga 120

caagctcatg gagagtgcag gagctgcagc gcggcgtttg aaggccatga aggctctgga 180

ggtcgccctg cagt 194

<210> 9525
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074a12b1

<400> 9525

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tgagatgaaa gattaccttg aatggactga aaggaaagga atatgggcca gctcaactcc 120

ttcaccatta ttacctactc tgcgtgctct agttcaggct ggaatatgca tggggttata 180

tttgtatctg tcacctatgt ttccgctttc acgatttagt gaacctctat attatgaatg 240

gggtttctgg caccggctct tctttcaata catgtcagga tttactgctc gttggaaata 300

ctactttata tggtcaatct cagaagctgc aattattata tctggcctgg gttt 354

<210> 9526
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b02b1

<400> 9526

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ccatcctcgc cgaggaggag cggctcgt 148

<210> 9527
<211> 279

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b03b1

<400> 9527

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ctcggtatct acagtgatgc tgggacacaa acatgttgta acaaaatgcc aggatcgctc 180

gatcacgaag agcaagacgt gaagactttt gcgccttggg gagttgatta tctgaagtac 240

gacaactgca atgatgctgg cagaagtgtc aacgaaaga 279

<210> 9528
<211> 203
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b04b1

<400> 9528

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atgacgtgac agtggggcgg ctggtccgga tccggcgcac ggtgatgcac atgctgcgcg 180

accggggcta cctggtggtg gag 203

<210> 9529
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b05b1

<400> 9529

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ctgagagggt ttctccttgg gaaattgact catctgatgc ctcctcacct gccatcagtg 120

cactgctgca atcatcggcg aagaacaagc gtccaaggga gacaaatgaa aactttgatc 180

ttccatcaca ggagccgact caggagtttt ggctgtctgg aatgacacag cagcatgaga 240

ggacatatgt tggttctagt gaccccaacc gtatctctgg gtatcatcaa attctttggc 300

caagcagtga tacccgcagg gtatggtgcc atgagcagca gttcggtttg tcaaactcca 360

ttg 363

<210> 9530
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b06b1

<400> 9530

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ccgcggggga ggtacctcaa gatctccgag aagacctcca ccacgcgctc caccatcatc 120

gtgcccatcg ccggcgtcgc ctggttcctc gacctcttcg actattacat ccgcaccgac 180

gtgcgcgacg tcttcagcaa ggagctacgc ctcgacacca aggtgttcta cttcgatatt 240

ggggagaaca agagaggccg ctaccttaag gtttcggagg catctgtcaa tagaaaccgt 300

agcacgataa ttgttccggc tggtagctct ggcgaagaag gttgggaagc atttaggaat 360

gtactgttag aaatcaatga tgaagc 386

<210> 9531
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b08b1

<400> 9531

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tgtatactgg ctggccatct taaaacgcct tcatatatac aaagcaaagg cttgcctgct 180

ggaaatccat gctcctctct tacgtaagca 210

<210> 9532
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b09b1

<400> 9532

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aagaaggcca agaccgacac cgacgtcggc gaggagaacg agcagatcga cggtgccctc 180

gtcctctcca tcgagaggct ccaggagatc caggacgagc tcgagaaggt taatgaagaa 240

gcaagtgata aggctttgga ggttgagcag aagtacagtg agattcgcag acctgtctat 300

cttcggaggt gtgacatcat caaaacaatt ccagactttt ggctgaca 348

<210> 9533
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b11b1

<400> 9533

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aactggtact tttgatgagg aaattatacc aattggccgt ccagtgaaat ctttgatggt 120

ggtcctgtct tggtcatgtc tcctcctata tggtgctcat agattcttac agtggaccca 180

gctcttgtcg acgtggaaag gagtgatcct ctttgcttct ggattggcaa tggtaacctg 240

ccgtatgcat gtattcatca tgttctcgca ggccgagcgc tcaagctctg cgaaagcagc 300

atgggaccga gtgaagaagg attgatagct cgtgtgaatt tcagtctata ggggaactgc 360

c 361

<210> 9534
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074b12b1

<400> 9534

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acatatagca actggtactt ttgatgagga aattatacca attggccgtc cagtgaaatc 120

tttgatggtg gtcctgtctt ggtcatgtct cctcctatat ggtgctcata gattcttaca 180

gtggacccag ctcttgtcga cgtggaaagg agtgatcctc tttgcttctg gattggcaat 240

ggtaaccgcc gttatgcatg tattcatcat gttctcgcaa gccgagcgct caagctctgc 300

caaagcagca agggaccgag tgaagaagga ttgatagctc gtgtgaaatt cagtctatag 360

gggaac 366

<210> 9535
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074c02b1

<400> 9535

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cagtaacctt aacagattca gttcaactga tcagttgcca ttgcaccgac acatattctc 120

gcggatgata aaaccgacag taacaaaacg gtccgattgc tttagcaagt aacgaaaaca 180

accactttga catgaatt 198

<210> 9536
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074c03b1

<400> 9536

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ctccgccccg accgcgtctc tccagcccta gggtttccgc ctcctttccg cccatagcca 120

tctccacgcg gcacgccgca gccccgcgga ttcctccccc cttttcgagc tcaaaattgc 180

ggcttttccg ctcgattctc gggcacgaat cggccattga tttcctccgg ttatccaagg 240

ttttcccctg atttttcgcg gcgcgagcgg gggcttcccg aggcgattgg tgctctggag 300

cggtctcttg tccgccgcgg gttcgggctg cggctgaagg cctcgccgat ttttccatga 360

gcgtggg 367

<210> 9537
<211> 350

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074c04b1

<400> 9537

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ctcacaagag gacgaggagg gggcacaagg gtgttctgca gcttcaccat ctgcctcttg 120

atactttaag tgacattgtg tcattgttaa gcttcaaaga ggctgcgcgc atgagcgtac 180

tgtccagcca gtggagacat ctctggagat catgtatcag agacctggtc ttcactaggg 240

agacaatgtg ctgccccatg cccatgagcc gagtggaaca tgatcgagaa gctttcatca 300

ggaatgttga gtgcgtattg tgccaacttg atcccaccat tgctagggac 350

<210> 9538
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074c08b1

<400> 9538

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tggacccacg agatcgaatc gccggtcgcc gcgtcgcgcc tcttccgtgc cggcgtcatg 180

gactggcaca cactggcccc taagctcgca ccgcacatcg tcgccagcgc ccaccccgtc 240

gagggcgaag gcggcatcgg cagcgtcagg cagttcaact tcacctcagc catgcccttc 300

agcctcatga aggagaggct cgagttcatc gacgccgaca agtgcgagtg caagtccacc 360

ctcatcg 367

<210> 9539
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074c09b1

<400> 9539

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ccgcctccga cgaccgcttc tgggacggcc tgcgcacccg cgtcgacacc atcatcgagg 180

accgccgcct cgtcgcctcc gccgcgtcca cgtgcgcggc ggcgtccggg cggcccaagc 240

ggctccggga ggactcgctg atgctggtcc gtggcctcga ctccgtcgcc gcgtccctcg 300

cgcagctctc cgacaccctc accgccgccc agaagggcgt gaacgctctg gccatgtgct 360

cgttccaggc gagggaacgc gagagcgggg aggaggagc 399

<210> 9540
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074c10b1

<400> 9540

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atctctgcgc gaggcaggcc ggtcaaccga tccatccggc catggcgtgc aggggcttct 180

tcgagtgcgt cctcaagctg ctcaacctcg tcctcatggc tgtcgggctg gccatggcgg 240

gctacggcgc ctacctgctc gtgctctggc tccagctg 278

<210> 9541
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074c12b1

<400> 9541

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ggcacagaac tcctgtgtat cggagggttg cgcgaatcgc catctccagc aaccaatccc 120

caaccctcga gctatctaac tatcccgatc ccgatctcct accatggtgt ccgatgccag 180

caagaagaaa gccgcgcaga agaaggccgc cgccgccgca aagaggggag ccaagtccag 240

cgccgctgcc tcgtcctcgt cggcgtcgtc agcggccgat aaggccgcca atggcatagc 300

ggcccttaac ttatccgatc ggacatgtac cggggtcctg gcttcgcatc cgctctcccg 360

tgatatccac attgagtccc tttcattaac atttcatgga catgacctta ttgtggattc 420

agaattggag ct 432

<210> 9542
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074d01b1

<400> 9542

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cagcttttgc actctctatc ctcattgcag tattttgatc cactaaaagt tctggtgatc 120

gagagatgtc ctataattac tgcaacatca tttccgttga actttaggag cctttcatct 180

ctcaaagcgt tgagaatatc atactgctca gagctccaat ctttaccagc gtacggtctg 240

ccatcctcat tggaaacact tcatattatt gggtgccacc cggagt 286

<210> 9543
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074d02b1

<400> 9543

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ctcgcgccgc gcaacccggg ctccttcgcc tgcggcgcct ggggcggctc gggccccgtc 180

gtcaccacca ccaaccctag caacaacgag gtcattgctg aggtcgttga ggcgtccatg 240

gacgactacg agaagggcat gagcgcctg 269

<210> 9544
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074d07b1

<400> 9544

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aaaaggccat gtatcaatga tgttgtcctt gaactggaga aactagaagc taagattaag 120

gaaatgtcac tagcttttga tgtgccaaaa gacctcacag tccagagaag ctgtgacacc 180

aacattatgt ctgtggatcc aaccatggag ctgcggtttc tctttgagca agggaaggag 240

gcgtcgtgct gcctgcagct gaccaacaag acgggtggat tcatcgcatt caacatagag 300

atcaaccc 308

<210> 9545
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074d08b1

<400> 9545

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gccatggaat tcctgcacgc aaattccaaa agtttgcttg atagcaacct ggaggatgga 120

agatgcatat ctgcccaggg taagaaggcg gtggtcattg gtggtggaga caca 174

<210> 9546
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074d09b1

<400> 9546

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accaaaggaa agctccaccc gtagatttta ttaagccatc tgaaccacct gcgtgtcata 180

tggaagctga tatggtgatc actgctgcaa ctccctcctc ggaggctcaa ggtactactg 240

gtaaaaaagg gctacttgaa aggattcaga tactatggac tggtc 285

<210> 9547
<211> 194
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074d11b1

<400> 9547

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cagcagctgc acaaaggctc ctcaaaccct aaccctagtc ctagcttagc ttccttcttc 120

tcgatctagc tagagccatg gcgccgacca tgggcgaggg gccggccatc ggcatctacc 180

tcggcaccac ctac 194

<210> 9548
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074d12b1

<400> 9548

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tggcgatcat ggctccagat agcataaaat cgacatcatg ggtgtcggtg cagaatgacg 180

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tactttcagt gctcgttgat 320

<210> 9549
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074e01b1

<400> 9549

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aagccactgt agcggcttat ggctacaatt ggaatgcaaa taatccaata gactggattt 180

ccgatatgtt tgtcggagtc cgagggtcta cggttttgca tgccaatgtt gtgggacaaa 240

gcggtaatac agtccaggtg aattcctttt ctgctgcacg tgcttatgtc ccattgccca 300

atcttccggg aaactccaat acgatttcta cttcggtttc cgtcactgct ggtctcatta 360

atgatatcag tcgcga 376

<210> 9550
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074e03b1

<400> 9550

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cggctgggct tcgccgaggt ggactacggg tggggccccc ccgcccacgt cgtgcccctg 180

acaaacctgg actacatcgg cacgtgcatc ctcgtcaagc cctgggtaca caagccaggc 240

gcccgg 246

<210> 9551
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074e05b1

<400> 9551

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cctgagtgag acagccaatg agttcaggtc atgatacacc taaaactgca tgagctccct 120

ccgtaacatg tgctcaagcg atggactaga gatgcaagag atatactact accggagtat 180

ttgcgctacc agaaggacca tgggcccctg aagtattctt ctcgtcgaca caacacttta 240

tacttgttgg cagtggatgt ggttaagtta ggtgacaaca atgtggaagc atatgcactt 300

gcaatggaga aaatgcgaga tgtcaaagtg ctccccgagc c 341

<210> 9552
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074e10b1

<400> 9552

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ccttccacgc tccagcgtgc cgctggccca caccacgcgt tgccgcagcc ggcccacgcc 180

cctccgtcgt gcgccgtcac cgccggccgc ctgcccgttc ccccgttcct ccggctgtgc 240

gaggcacggt ggcggtggga ggaaaactgg cggatctggg cgcggccttg agagatctcg 300

cggctggtgc ggcagcttgc tacgatggca gcgacttgtg aggcagccat acaacgtacc 360

<210> 9553
<211> 115
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074e11b1

<400> 9553

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tcgactgcca cccttgctct cggggtctgc agggaactgc cgctgatgat gatga 115

<210> 9554
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074e12b1

<400> 9554

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ggataagaag ctctccggct gggggctctt cggctccaag tacgaggacg ccgtcgtcct 180

atacgataag gccgccaact ttttcaagct ttcgaagaac tggaaccgag ctgcatctgt 240

gtatatcaag attgctaatt gccatctgaa gggtgatagt aagcatgaag ctgcctcagc 300

ttatgtggaa gctgcaaact gctacaaaaa attctcacct caggaagctg cgcaagcgct 360

agaccaggct gttaatctat ttctggaaat tggtagattg agcatggc 408

<210> 9555
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f01b1

<400> 9555

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acatactcaa gctcatgtcc tccacattca tggtcgcctt gtgccaagcc atcgacctcc 180

gccatcttga ggagaatgtc aaggatgccg ccaagagctg cgtgaagatg acggccagga 240

agacattgag caccaccaac aatgggcacc tccacaatgc gcgattctgc gagaaagacc 300

tgctgctcac gattgac 317

<210> 9556
<211> 99
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f03b1

<400> 9556

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tagacgctca caccatggca accaatgggt actccaatg 99

<210> 9557
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f04b1

<400> 9557

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aggatcggga ggctcgtcgc cagggtagcc ctccagagcg acgatgtcga gctcgtcgcc 180

gtcaacgacc ccttcatcac caccgagtac atgacctaca tgttcaagta cgacaccgtt 240

cacggccact ggaagcacat tgacatcaag ctcaaggacg acaagactct gctctttggc 300

gagaagccag ttaccgtctt cagcgtcagg aaccctgagg agatcccgtg gggtgaggct 360

ggtgccgatt acgttgtgga gtccaccggt gtcttcactg acaagga 407

<210> 9558
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f05b1

<400> 9558

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ggcctcttca tctactccgg cgagacgtac tccgtgctgg tcaaggccga ccaggacccg 180

cggagaaact actgggctgc gtcccacgtc gtcggccgca accccagcca gacaccgacc 240

ggcaaggccg tcgtgagcta cgccttcaac ggcaacaacc cgtggatgcc t 291

<210> 9559
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f07b1

<400> 9559

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aacgtgcgac tgaccgaccg actggaagct ccgcctcgca cgcctcttct cgttcacagg 180

atggttctgc ccatgtcgcg ggcgacgagg ctggtgccgg agctgccgct gctgcggcgg 240

gggaggcgcc cgctggtggc ggacgctggg aacgaggagg agctggccgt gccggcgcac 300

ttccggtgcc cgatctcgct ggagctgatg aaggacccgg tcacggcgcc cacggggatc 360

acctacgacc gggagagcgt ggaggggtgg c 391

<210> 9560
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f08b1

<400> 9560

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ctcccgaggc agctcaccgg cggccaccgt tcgacccctc ccccgcccat tcccgcggcg 120

ctccccctccg cccgctcgcc gccggctggt gatgctacgg gcccccggcc ccgccgcggc 180

gacaccggct cgcagctaga tctggcccgc aggaggttcc cgggcggcat ggggcggttc 240

gcagggctgc ggtggctcct cctgctgtgg gtggcagcag gggcgctggc cgcggaggag 300

gatagcaagg cggccgtcgg ggcgcccg 328

<210> 9561
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f09b1

<400> 9561

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ctgcacgggc gcggcgtcgt cggggaacct cgccggcgtg ggctcgtgcg cagcccggtc 180

atccgacaag gtgtcaccag gcctccgcat cggccttgtc gccgctgccg ccgcgctact 240

cgtcgtcatc gcggcgctcg ccttcttcat cgtccgcgac atgaagaggc ggaaggggct 300

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ccccgtgctg cgcgggctcg tcgacgagaa cct 393

<210> 9562
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f10b1

<400> 9562

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aagccgaccg cgagcgccgc gccaaggccg aggccgcgcg ccgccgcgac gcgctcgagg 180

cctcaaacag ggagcgccgc ctcgacgccg cccgggcgca ggaagaggct gaccagaaaa 240

tggaagaggt gatgcaacta ggaaagggga tctctttttc acacatgttt gaagcactgc 300

gatatgacgg tccaggggat aagattaagc tgccaccatc ttctttcaag gatttatccg 360

atcaaggagc gcttgacaaa ggtcccatgt acttc 395

<210> 9563
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074f12b1

<400> 9563

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tgcgagaggc acgacattct caggtcggcc acaccccgac aaccaggttc tcggggttct 120

gcaagcccgt gtggccgaca cggcactctt caacaagtct caacttggag gcaatgaaga 180

gacggtcatg gggtggcaag gcctcgaccg agactacggc gaccatagag tccgtgcagg 240

aggcacaaca ctctctggtc ggctatgccg cgaccccgac gcgctcgggg tccatcgagt 300

ccgtgcgg 308

<210> 9564
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g01b1

<400> 9564

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acagggacta ctgcacgcac cagaagttca ccctcaccac atgcaccccc gagggcgtcg 180

caatcacagc tgcaggaact aggaaaaacg agtcaatctt tggcgagctt cagacccagc 240

ttaagaacaa gaacttgaca gttgatatca aagcaaactc agagtcagat cttctgacaa 300

cattcacagt tgatgagttt gcaactccag ggctgaaatc aattctcagc ttggttgttc 360

cagaccagag gtcagggaag cttgaactcc agtatctcca tgaattcgcc ggtgtcaatg 420

caagcgttgg gctgaacccc 440

<210> 9565
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g03b1

<400> 9565

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gcattcttcg cccagcgttc caccactaag gtaccaggtg ttactgatat tcaactcaaa 120

cctaggaaca taagaaaagt tgctgttatt ggtggtggtc ttatgggttc tggaattgca 180

acagcccttc ttgttggcaa tatatctgtt gtcctcaagg aagtaaaccc tcaatttttg 240

caaaggggac aaaaaacaat agcaggaaat ctggagggcc ttgtcaaaag aggctcattg 300

accaaggata aaatgagcaa ggccatatca cttctcaagg gtgcattgga ttattcagat 360

ttcaaggatg ttga 374

<210> 9566
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g05b1

<400> 9566

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cggccgcgcg ctgtcctgcc tccgctgcgg ctgccgtgac tcccggtcgg cggtgggctt 180

cgaggacatg gacggcgtct acgaggttgg ggccaggaag atcagaggcg cggcggggcc 240

cagggtgttc a 251

<210> 9567
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g06b1

<400> 9567

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ttcaacggga aggagctctg caagagcatc aaccct 216

<210> 9568
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g09b1

<400> 9568

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gcctagtttc tggcatctgg acaggcggta ccattactgg aactggtaag ttcctcaaag 120

agcaaaactc taacatcaag ctctacggtg tggagcctac ctagagtgct gtcttaaatg 180

gtggaaagcc tggaccacac aagatccaag gaattggagc tggttttatt cctggtgtct 240

tggatgttga catcattgat gaaaccatac aggtttcaag tga 283

<210> 9569
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g10b1

<400> 9569

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ctgcgcctgt ttcggctgtt gatgcttatc agaagatgct ttcatctatc gctgagttct 120

ctgggtttgg aaggctcttc aagttctcag aacctgtgga gctgacagag gcagagactg 180

aatatgcagc taatgtggct aagcatatct atgaaaacca tgttgtattg cagtacaact 240

gtacaaacac catacctgaa caactgc 267

<210> 9570
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g11b1

<400> 9570

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ccatcggctc aaccatccac tgctccgacc gactctacaa tctagtacat acgtgcatga 120

tggcatcgcg caccatgtgg gtgaacggcc ccatcatcgt gggcgcgggg ccggcgggca 180

tcgcggcggc ggcctgcctg cacacgcgcg gagtcccctc cgtcgtcctc gaccgcgacg 240

actgcctcgc ctcgctctgg cagcgccgca cctacgaccg cctgcgcctt caccttccca 300

agcacttttg gcagctcccc gggatgccct tccccgacca ctac 344

<210> 9571
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074g12b1

<400> 9571

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ctcagatgag tggtcagaga accggagaac catcgttctc tgcattggta ccggcggtgt 120

ctaggcatta ttatgtagtg gtagcgagag aggatggatc aacggaaatg ttggagacag 180

aggagtgtgg ggacgcatgg acagcggctc aaagcccctc cattataagg gggcggggat 240

ttgtgtg 247

<210> 9572
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074h01b1

<400> 9572

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aaagaatatt gccggccgaa tgaccctgca gcaggaacag ggacatggca tctacaactt 120

aattgcccaa aaaagcatcg ttctaactga acaggaccat aacaagatat cccccaaaga 180

aaggtacatg gtgcctcatc caacagtgca ttcctcctga gctgaccgac tgattattca 240

gcatttcagc atgtatgtta gtatgtgctc ggtgacattg cggtattc 288

<210> 9573
<211> 211
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074h05b1

<400> 9573

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atttctattc caccatcacc tgggccaggt ttgaggagct caacatggac ctcctcagga 120

agtgcatgga gccagtggag aagtgcctga gggatgccaa gatggtcaag atcaccatcc 180

atgatgtctt gcttgttggt ggttccacca g 211

<210> 9574
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074h06b1

<400> 9574

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aacttgaaca taggaatgga ctactgggca aatacagcaa gctcctctcc tgcattgcat 120

ggtaaagtga ccccaactgc aattccaggg gctgtggccc caacagagcc gtggatgcag 180

gatgaacgtg aactgaaaag gcagaaaaga aagcagtcaa acagggattc tgctcgcaga 240

tctaggctgc gcaagcaggc tgaatgtgag gagttggctc agcgcgctga agtattgaaa 300

caggaaaatg cttcacttaa agatgaagtg agccggatca gaaaggagta cgatgaactt 360

ctgtcaaaga atagctcact gaaggataac gttggagaca aacaacac 408

<210> 9575
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074h07b1

<400> 9575

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tgccgagtgc ttacatctca acggcaacac tcgttctaca tgtgatgctg agttgggtgc 180

tcatgtacaa ggtcggcctt gggctgctcg gtgcctcact ggtgctgagt gtgagctggt 240

ggattatcgt cggagcacaa tttgtgtaca ttgtcgtgag cccgacgtgc cggcacacgt 300

ggacgggatt cagttggc 318

<210> 9576
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189074h09b1

<400> 9576

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cgttcatcgg tcatcacgcg atggc 85

<210> 9577
<211> 201
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a01b2

<400> 9577

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aaaggcaagg acatcacaga agtgattgca tctggaaggg agaagtttgc cgctgcgcct 180

tcaggtgggg gtgccattgc t 201

<210> 9578
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a02b2

<400> 9578

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cgtcgggcgc cggcggcccg cgcgtcgcct tcgccaacgg cgtcttcgtc gacgcgtcga 180

tcaagctcaa gccttccttc aaggatctcg ccgagggcaa gtacaaggcc gagacacagt 240

ccgtggactt ccaaactaag gctgctgaag ttgctggtca agtgaactcc tgggtagaga 300

aaatcacaac aggtctcatc aaagagatcc tgcctcaggg tctgttgaca acaccactag 360

act 363

<210> 9579
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a05b2

<400> 9579

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agatgtgatg gagagagtga ctggtaccgg atcttgtccc tgcccgcctt tgcagatgaa 120

taggatgtga agaagcagta caggaagcta gctctcctgc tgcgccctga taagaacaag 180

tcagtcggtg ctgaggaggc ctttaaactg atctctgagg cttggagtgt gttgtctgat 240

actagttcgg agacaattta tgatcagaag aggtcagatc attctg 286

<210> 9580
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a06b2

<400> 9580

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tatcagggag gaaattgcac aggtagaaaa tggcaaagca gatgcgcaca acaatgtcct 180

gaagggcgct cctcacccac cccaactcct gatgggtgac gcatggacta agccatactc 240

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atgtcgtgtg gac 313

<210> 9581
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a07b2

<400> 9581

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caccaggtgc gtggcggcgc tggaggaggc cggcgtcgag tacgagctcg tccccatcaa 180

cttcggcacc ggcgagcaca agagccccga ccacctcgcc aggaacccct ttggccaggt 240

gccagctttg caggatggtg acttgtacgt cttcgaatca cgtgctattt gcaagtatgc 300

gtgccgcaag aacaagccag agctgttgaa ggagggcgac atcaaggagt cagcaatggt 360

ggatgtgt 368

<210> 9582
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a09b2

<400> 9582

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agatgggcag tatgagcata agggatgaca gggacactga agatatagta gtcaacggca 180

atgggacgga accgggccat attatagtca caagcattga gggaagaaat gggcaagcaa 240

aacagaccat tagctacatg gctgagcgtg tggttggtaa tgggtcattt ggaactgttt 300

tccaggccaa gtgtcttgaa actggcgaga cagtggctat aaagaag 347

<210> 9583
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a10b2

<400> 9583

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acggagctgc tccaggcgca gtcggacctg tggcgccaca ccctctgcta cctcacgcct 120

atggcgctcc ggtgcgccgt cgaccttggc gtccccactg ccattcaccg cctcggcggc 180

gccgcgtccc catccgaact cgtcgccgcc ctatccctcc ccacgtccaa gctgcccttc 240

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acgtaccgcc tcaacccgct ctcgtacctc ctggtaga 338

<210> 9584
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075a11b2

<400> 9584

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tccctcctcc ctcccctaga cctaccccgc cgccctcctc gcgagcgctg ccgattcttc 180

gcggaggaag ggaagggatc tagccacctc cggggctgct gctgcggttc cgttcgcgtc 240

gccagccgcc gggatctgta cctggatttc cacaaggagg aaccatctta gggaatgcag 300

agagatgtgt ttgcatgcta gagagctacc ttgcgaggga atcggcaggg tagccacccc 360

tgttcctgct ttgattgacc ttgatgacac cgcttcacag cagcacacaa cacac 415

<210> 9585
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b01b2

<400> 9585

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tggcgtccac ggcgtacgcg cgcgggtcca agccgccggc cgggcccggc gagcggaggc 120

agccgcggct ggccaaggag ctgagcagga tcgagcctaa gaagctcggg attgggctcg 180

tcgtcggctg ctgcctcgcc ctcctcacct acatctcctt cgcccgcctc ttcgccatct 240

actcgccggt cttcgagagc acgtccatgg tgatgaagaa cgcgccgcct gcgtcgacgg 300

cggtgcccag tatggaggag gccgtgccgg cccagaagaa gatcgaagtc gagggcgggg 360

aagatc 366

<210> 9586
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b03b2

<400> 9586

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ggagaagagg atcaccgcca ccatgtgggc cgcgtcgtgc ctggcgtcct gctgcgccgc 180

gtgcgcctgc gaggcgtgcc gcaccgccgt cggcagcatc ggccgccgct ccgcgcggat 240

cgcctactgc ggcctcttcg cgctctccct gctcgcctcc tgggtgctcc gcgaggtcgc 300

cgcgccgctc ctccagtcca tgccatggat caaccacttc cacaagacgc cggaccgcga 360

gtggt 365

<210> 9587
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b04b2

<400> 9587

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gagctcctcc acgaatcccc ctccccgatc gattcggttc ggcccgactg atcgtccgcg 120

gagaagagga tcaccgccac catgtgggcc gcgtcgtgcc tggcgtcctg ctgcgccgcg 180

tgcgcctgcg aggcgtgccg caccgccgtc ggcagcatcg gccgccgctc cgcgcggatc 240

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gcgccgctcc ttcagtccat cccatggatc aacca 335

<210> 9588
<211> 173
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b05b2

<400> 9588

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ccaagggcga ggggccggac ataggcatac acctcggcac cacctactcg tgc 173

<210> 9589
<211> 98
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b06b2

<400> 9589

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taagaccggg ccttggaccc aaaaggaggg gacatgcc 98

<210> 9590
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b07b2

<400> 9590

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gcgctggcgc taaccctacc ggacatctgg atcggagcag agcgccgccc cgagcgtcgg 120

cgcgccaccc ccgcgccgca ggcacgggcc caagccaccg agcagcgtcc ccgcgcccgc 180

acgctaccac gcgctcgcct cgtccttgat tgctcggcac ttcggcaggc acgaccagga 240

ctgcgctcgg agcacgctga ccgccgtcca tcgtaacggc ctgggtcgca acagacagca 300

cgcaggggct aacgccaatc cactgggcct agcctgttac atttcaaagg tcaaattctg 360

tcatgaatac cacac 375

<210> 9591
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b09b2

<400> 9591

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acctttggtt ttgatgatgg cgaaactaac cgatggacct accgtgctgg agaaagtgga 120

aaggtccatg gacttgctga gtatatcgct caggaagaga tggaatggaa gatgggattc 180

tggtggtctc ctgatagtaa acaccttgca tttactgaag tagattcatc ttccattcca 240

ctatacagaa ttatgcatca gggtcaaagt tctggtggtc tacatgctca cgaagatcat 300

gcttatccat ttgctggagc agttaatgtt aaagtgcgac ttggagttg 349

<210> 9592
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075b10b2

<400> 9592

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catcatctgg gcgttcggcg gcatgatctt catgctcgcc tactgcaccg acggtgtgtg 180

cgggggacac atcaacccgg cggtgacctt cgggctgttc ctggcgcgca aggggtccct 240

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<223> Clone ID: uC-tsrow189075b11b2

<400> 9593

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ggcaagggga gccagctcga ggccaacaag aaggccatga acatccagtg caagatatgc 180

atgcagactt tcatctgcac cacctctgaa gcaaagtgca aggagcacgc cgaggcgaag 240

catccgaaga gcgacctcgt ccagtgcttc ccccacctca agccgtgata tatgccaaat 300

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atgttccgca atgactggtt gttgacctaa gcatgggtct 400

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<223> Clone ID: uC-tsrow189075c01b2

<400> 9594

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gggatccccc cacctcctgc agcgccggcc ctgtggcggc agatatgttc cactggcaag 180

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actttccccc agactaccca ttcaagccac ccaaggttgc a 281

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<211> 367
<212> DNA
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<223> Clone ID: uC-tsrow189075c05b2

<400> 9595

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cggcacggtg cgccgcccac ctacgacgcc gtgaacagcc tcttcgaggc cgggaggact 240

caggagtggg cgaaggggtc gctggaggag acggtgcaga acgcgatcaa tacgtgggag 300

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accctgt 367

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<211> 71
<212> DNA
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<400> 9596

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<210> 9597
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075c08b2

<400> 9597

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caccgtgacc cggagttggt agagatcggc ctgtgatctg ttgccgtgtc gttagaataa 180

aagtcgtgtg cggttggtga tgtgtccgtg agtgtgtgtt tagtttctgt cctgtcgttg 240

tgtcctgcta tggcgagcta tccgatgtaa taagcatttg gcacttgtgc ttgtttt 297

<210> 9598
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075c09b2

<400> 9598

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tgaggcccca gaatctggcg acgacgagga agatgagatt gactgggaag aaggttaaag 120

tacagcaaca agttgctctc tcttgaattc atgaagtcag ttcaaagtgg gatgttaaat 180

gataataata ttgccagacg tatgcatatc aaggcttgcc tgcaaaaaac atttttctcc 240

cagatttgtg aaaagttact ataatgtgaa gtatgatact ccctccgttc ctaaatattt 300

gtctttctag agatttcaac aagtgactac atacgaagca aaatgagtga atctacattc 360

taaaatatgt ctacatacat ccgtatgttg tagtccattt gaaatgtcta aaaagacttg 420

tatttaggaa tggaggagta gtattgatga agtatgatat tga 463

<210> 9599
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075c10b2

<400> 9599

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acgccgtaca gcgcggcggc gctgcagcag caccagcgtc tggtctcctc ctccggcggc 180

ctggcggcga cgggggccca caggtgcggc gagcacgacg ggacggtgcc gccggaggtg 240

gcgcggcacc acgagcacgc ggcgccgggg gggcgctgct gctgctcggc ggtggtgcag 300

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gcgtacaaga gcttcgtgcg cagctgcgcg ctgctggac 399

<210> 9600
<211> 125
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075c12b2

<400> 9600

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cactggcggt gatgagcacc accgagggaa aggcggacgc cgctgcgctg gaggagatgg 120

cggtc 125

<210> 9601
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d04b2

<400> 9601

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tgtttgtttg agccaggatg ttggcggtgt tc 92

<210> 9602
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d05b2

<400> 9602

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cggtggcagc ctttgcgcag gactacgcgg atcagcgccc gggcgactgc cagctgatcc 180

atactcctga tggccggccg tacggggaga acctctacgg aggcggcggc ggtgggaccg 240

agtggacggc gacggacgcc gtgaattcgg gggtgtcgga gaagc 285

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<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d08b2

<400> 9603

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cgtatcggag cgtgccgctg atgccggcga gaggcattgg tcggccttcg gtgctcttct 180

tcttggccat ggtggcgtgg tgctactggt ggcagggaag atcggcgtcg gcgtcttcgt 240

taataatctc gcagttatct ggctgttgga gctatgaagc tttcggtgct gggcttattt 300

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ccggcggtcc tggagatgtg gtgc 384

<210> 9604
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d09b2

<400> 9604

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cgacaagatc atcgtcgagt acctctggat tggaggatcc ggtatcgaca tcaggagcaa 180

agcaaggacg gtgaacggcc ccatcacgga cgcgagccag ctgcccaagt ggaactacga 240

cggctccagc accggccagg ctcccggaga ggacagcgaa gtcatcctct acccccaggc 300

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<210> 9605
<211> 472
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075d10b2

<400> 9605

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ccgacaagat catcgtcgag tacctctgga ttggaggatc cggtatcgac atcaggagca 180

aagcaaggac ggtgaacggc cccatcacgg acgcgagcca gctgcccaag tggaactacg 240

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ccattttcaa ggacccgttc aggaggggcg acaacctcct tgttatgtgt gactgctaca 360

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ccccccaaggt tgcagctgag gagacatggt atggaattga gcaggagtac ac 472

<210> 9606
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e01b2

<400> 9606

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ggtggtgaat gtggacggtt ctgcgaacac caaggatg 218

<210> 9607
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e02b2

<400> 9607

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gcccatcgcc atcggcttca tcgtgggcgc caacatcctg gtcggcggcg ccttctccgg 120

cgcgtccatg aaccccgccg tctccttcgg ccccgccctc gtcagctggg agtgggggta 180

ccagtgggtg tactgggtcg gccccctcat tggcggcggc cttgccggcg tcatctacga 240

gctgctcttc atttcccgca cccacgagca ggtgcccacc accgactact aagcagcgag 300

cttaggatcg gagtcgccgt ccatccgtcc gtgtgatgct tcagttcccc ctttcttccc 360

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<210> 9608
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e04b2

<400> 9608

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tgggtcccgt ggcatgggac aacaacgtgg ccaggtttgc gcaggactgg gcggcgcaac 180

gcgccggcga ttgccggctg cagcactccg gcgggccgtt cggcgagaac atcttctggg 240

gttccgggca gacgtggacg gacgtcgacg cggtgaagct gtgggtggac gagaagcata 300

actaccatct tgacagcaac acctgcgacg ccggcaaggt gtgcgggcac tacacgcagg 360

tggtgtggcg caagtcgacc cgcatcggct gcgcgcgcgt ggtctgcacg gggaac 416

<210> 9609
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e05b2

<400> 9609

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acaaccgggc cactcgtccg tcagctctag aacgaaggcg cagacaatac ggttgctggg 120

cttgaatact gcaaagtatc ttcgatggag ctggatcaag caggccatga tatgctttca 180

gctgaagggg taaggatgga tgctgagaag gaaacactgc tacagactac tgtttccttg 240

caagaccagc ttaaggaatc tcaagtggct c 271

<210> 9610
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e07b2

<400> 9610

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gatttggatc agtgcagcgt ctcgcgaacc ttcacagagt ggatcatcta atgccctgac 240

ggctcaatca gccggttttg aagtatgtga tgagctacgt cctatggggc aatcattgtc 300

tatgtgtgag agcactagga aaaatgttgc aaatggaaca gctgactgca gatcaaacgg 360

caaagattac agagagaagg tactaaaaga taatttgaag gatgaaagaa agagagtggc 420

cctgacacga atgggat 437

<210> 9611
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e08b2

<400> 9611

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atctatagga tgaagggtgc aagctgggcc acatacccgg acctgtcacc taagcctaac 180

atctaaagcc gaaggcccga ctgagccatc tgtcaggtcc agggcacaaa ccggtccgac 240

gcactcacat gtgttgtcgc cgccatcttc cactcgtcca tctttagagc agattgacgt 300

gtcaaccttg gcaggtcctc tgccatcgat gccaccacga cgccaaacga cgacctccac 360

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ccacgaacgc gagtccatct gcaagcaacg gacgtaga 458

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<212> DNA
<213> Triticum aestivum

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<400> 9612

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gctcgcacac gcccaccaag cctgacc 327

<210> 9613
<211> 418
<212> DNA
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<223> Clone ID: uC-tsrow189075e10b2

<400> 9613

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cgcggcggtc aagaggatgc tgcgccggcg gtgcatccag gggaggggct tcgcacccag 180

caccagcagc attccggaac cccccgtgcc ttggatgaag gatacaacca tgcatcgcaa 240

atccagcaca agaaggagga gttgtacaat ctcatcgcca aggctgtggc ggagcccact 300

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<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075e11b2

<400> 9614

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ataggccaga atcatcgaca gaatagcagc gcttcaagtc aagttctacc aggctcttac 180

agccaatgac aacagaagaa attccgatgc ctgtaatgcg gaccaggcat ctcagttcaa 240

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agtaacaaag gttcagcagc ttaatttttct tgcagccgtt ggctaaggct gccagcccat 360

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<210> 9615
<211> 414
<212> DNA
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<223> Clone ID: uC-tsrow189075e12b2

<400> 9615

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<210> 9616
<211> 287
<212> DNA
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<223> Clone ID: uC-tsrow189075f04b2

<400> 9616

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<210> 9617
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075f05b2

<400> 9617

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caggttcatc aagacggctg cttatggcca ctttggccgt gaggatgctg acttcacctg 180

ggaggttgtg aagcccctca agtttgacaa ggcctctgct tgagaggtgg gtatgaagga 240

gtctatcatt cctgctgctg ccgctggtgg ttgtatcttg gataattgaa ttccttctct 300

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tattttggta tggcatacac aattatgtgc tgagttaata ct 402

<210> 9618
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075f06b2

<400> 9618

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gcgccgagca acacaaccaa gatgtcaact ctctcggtct catctcctca aggaagaccg 300

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ccattgacct ccgtcacctc gaggagaata tcaaggatgc cgtcaagagc tgtgtgaaga 420

tggcagccag gaagacactg agcacaaaca acaatggaca 460

<210> 9619
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075f08b2

<400> 9619

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tgggcctcaa gaggggcccc tggacgccgg aggaggacaa gatcctggtc gcccacatcc 240

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